MISSOURI BOTANICAL GARDEN
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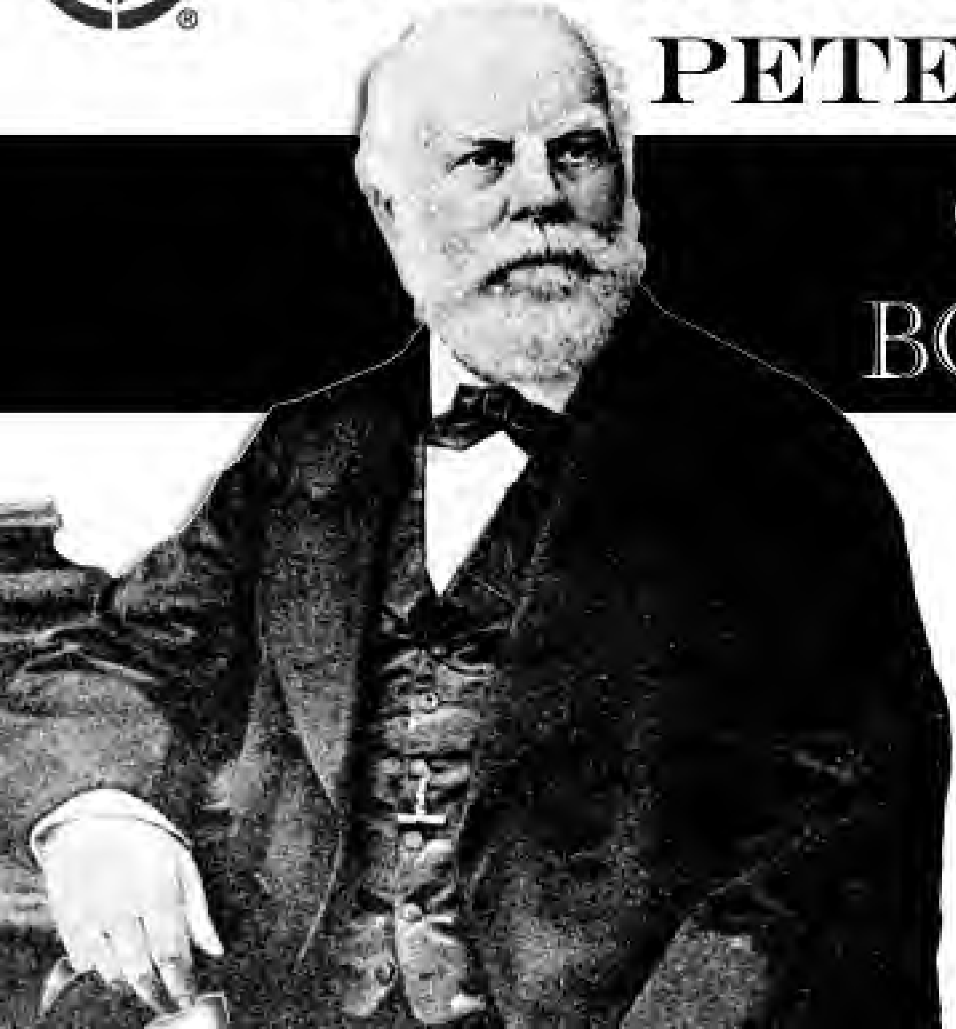

GEORGE ENGELMANN BOTANICAL NOTEBOOKS

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

1-10

160
Salicareae

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Missouri Botanical Garden

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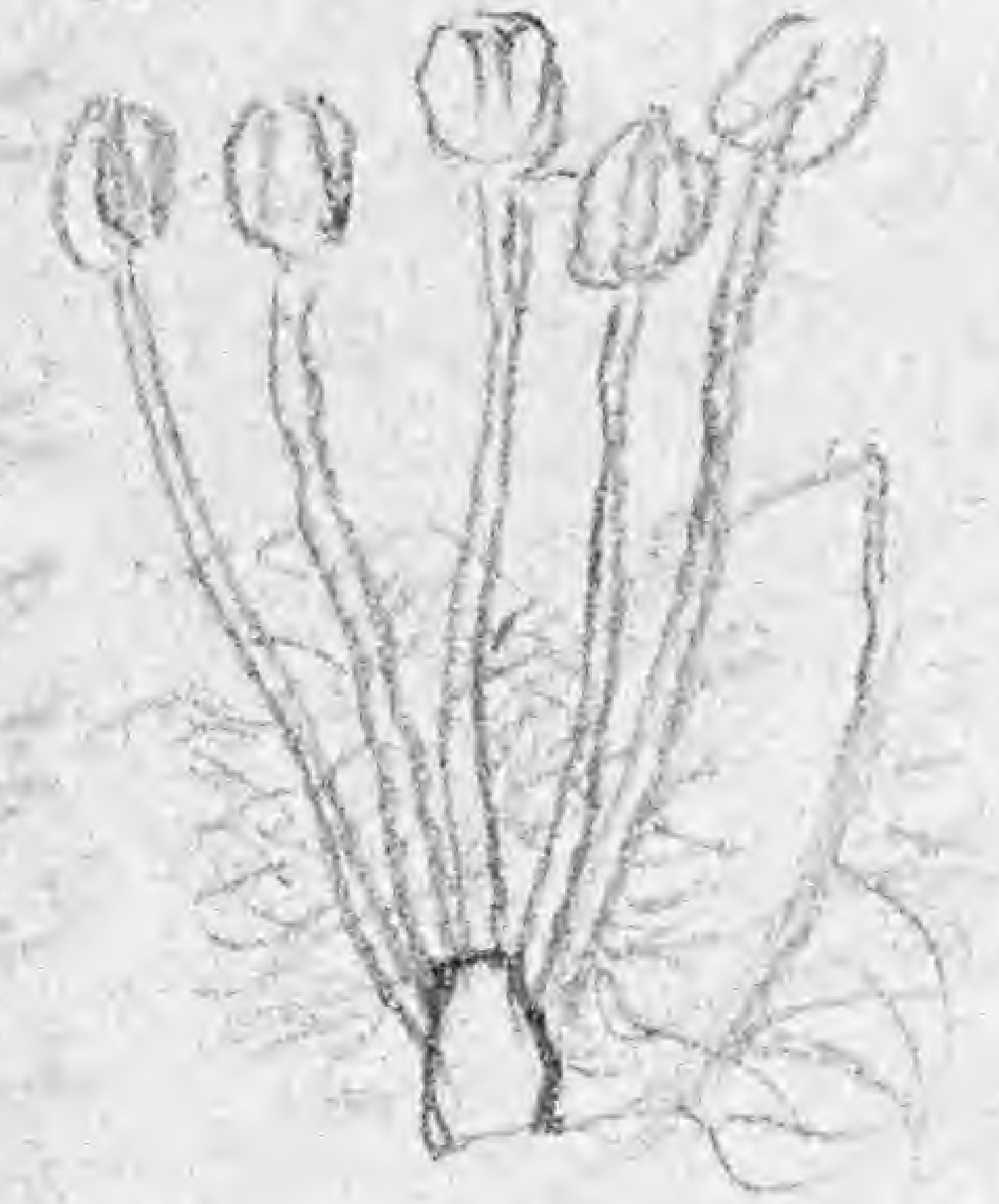
Salix

d. Reuss' 1849



$\frac{6}{9}$ 75

4–5 stamens
filaments villous
in lower half
scale woolly below,
glabrous upwards

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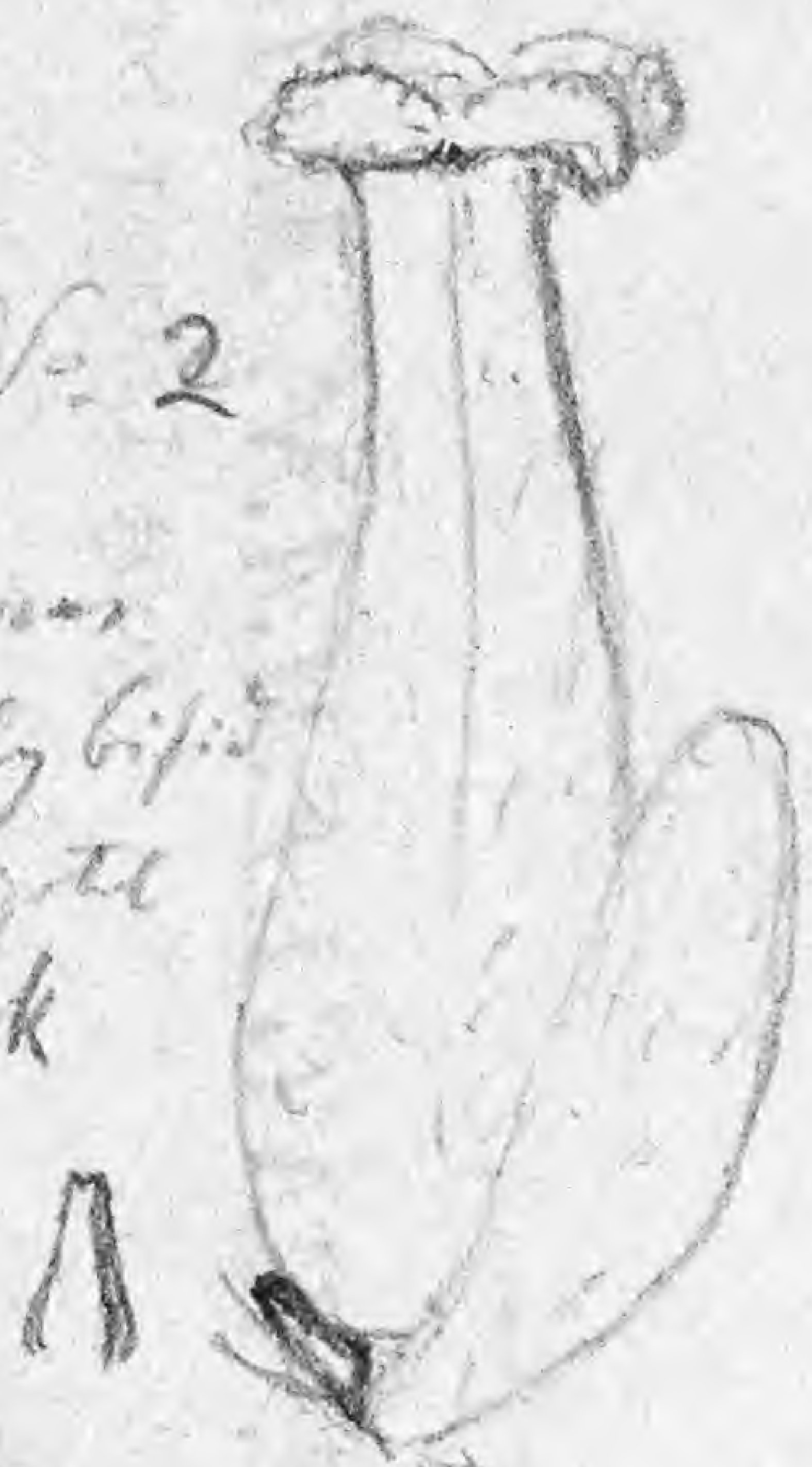
X10 Salix Iowa Sept 4 1875

S. longifolia

No. 2

stigmas deeply bifid horizontal thick



slightly hairy

stigmas bifid sessile its branches horizontal

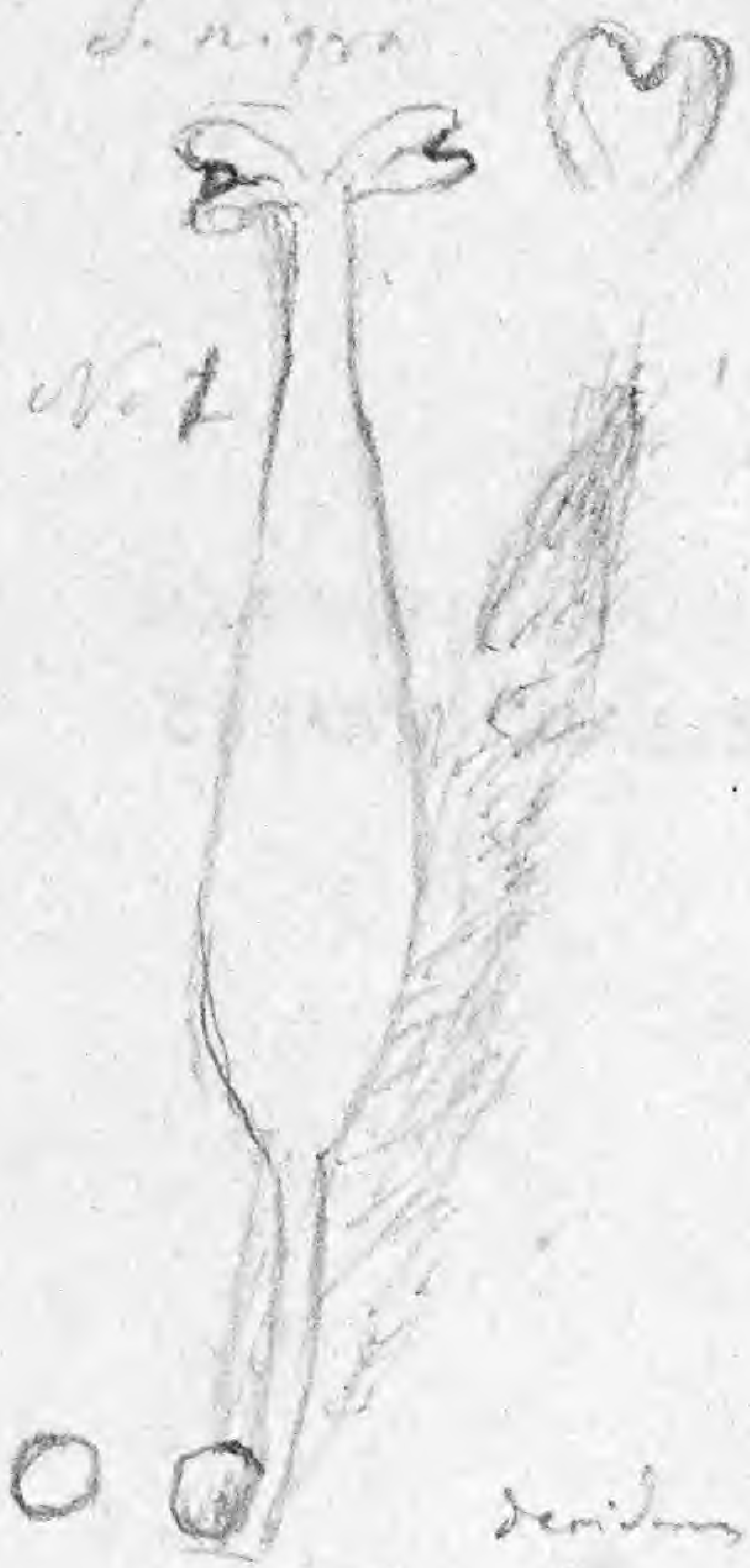
bract obtuse shorter longer membranous

ovary short pedicelled deciduous

gland ~~small~~, pointed

S. nigra

No. 1



bract long lanceolate hairy deciduous

gland orbicular

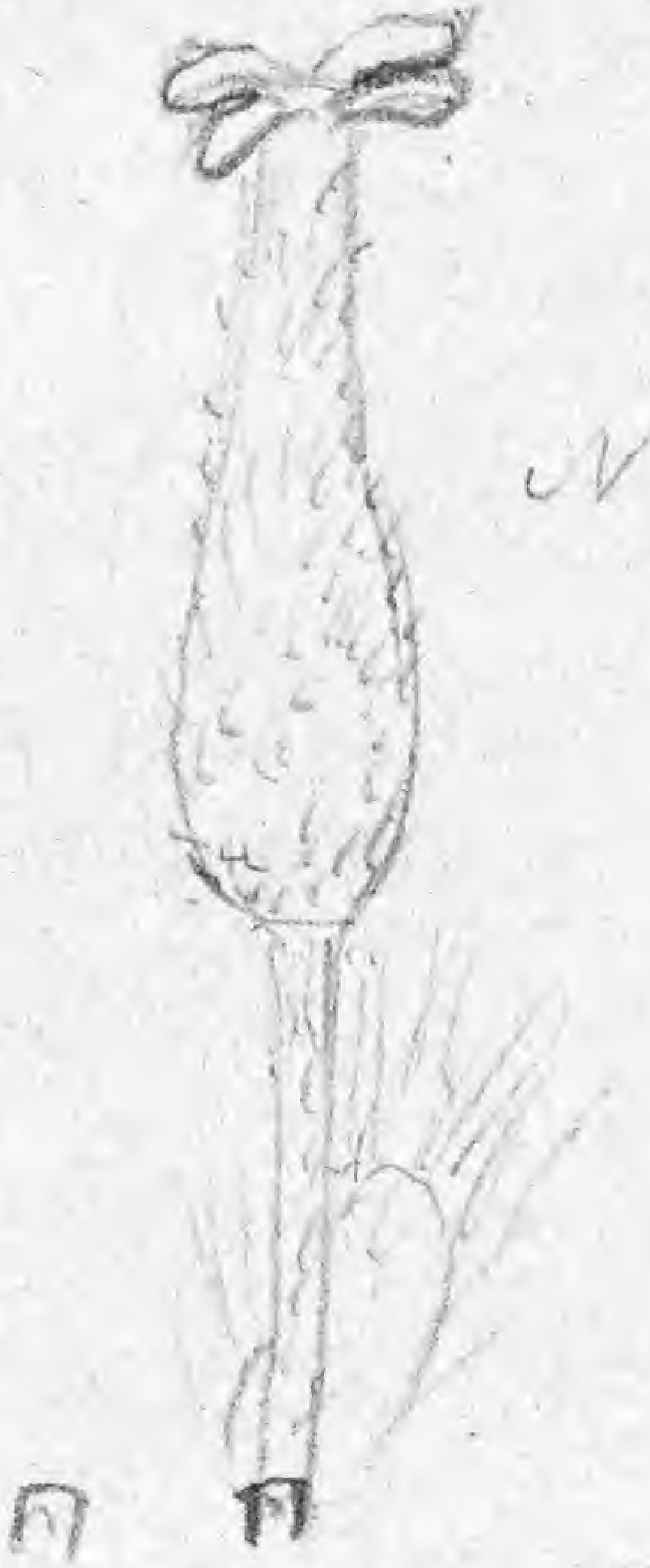
pedicel long

ovary slender glabrous tapering into a style

stigmas bifid

rostrate

No. 5



bract shorter than pedicel obtuse, long hairy

pedicel almost as long as small tomentose ovary; gland small ~~[illegible]~~ square, not longer than the breadth of pedicel

stigmas horizont bifid

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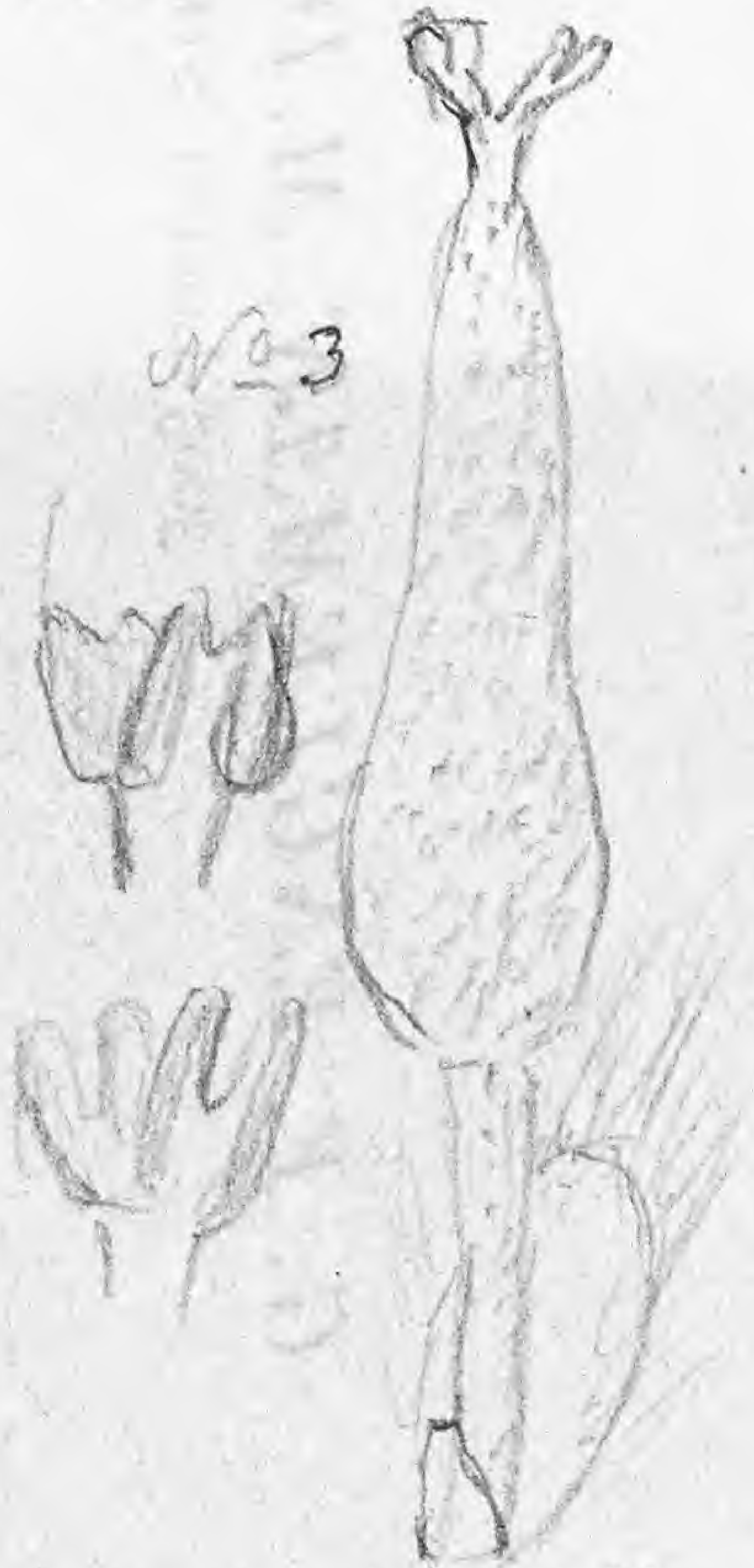
Salix Iowa Sept 4 1875

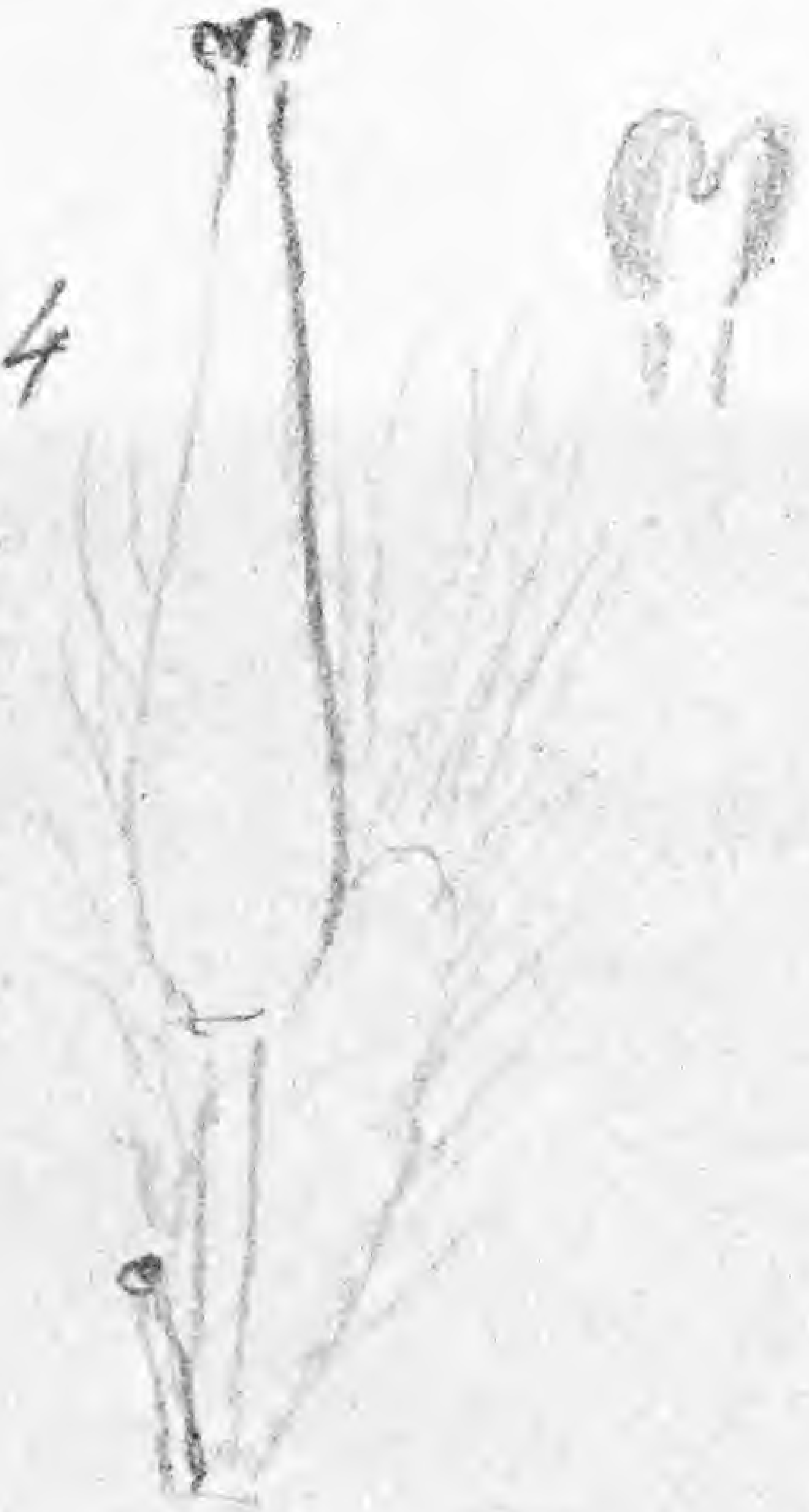
×10 petiolaris?

No 3



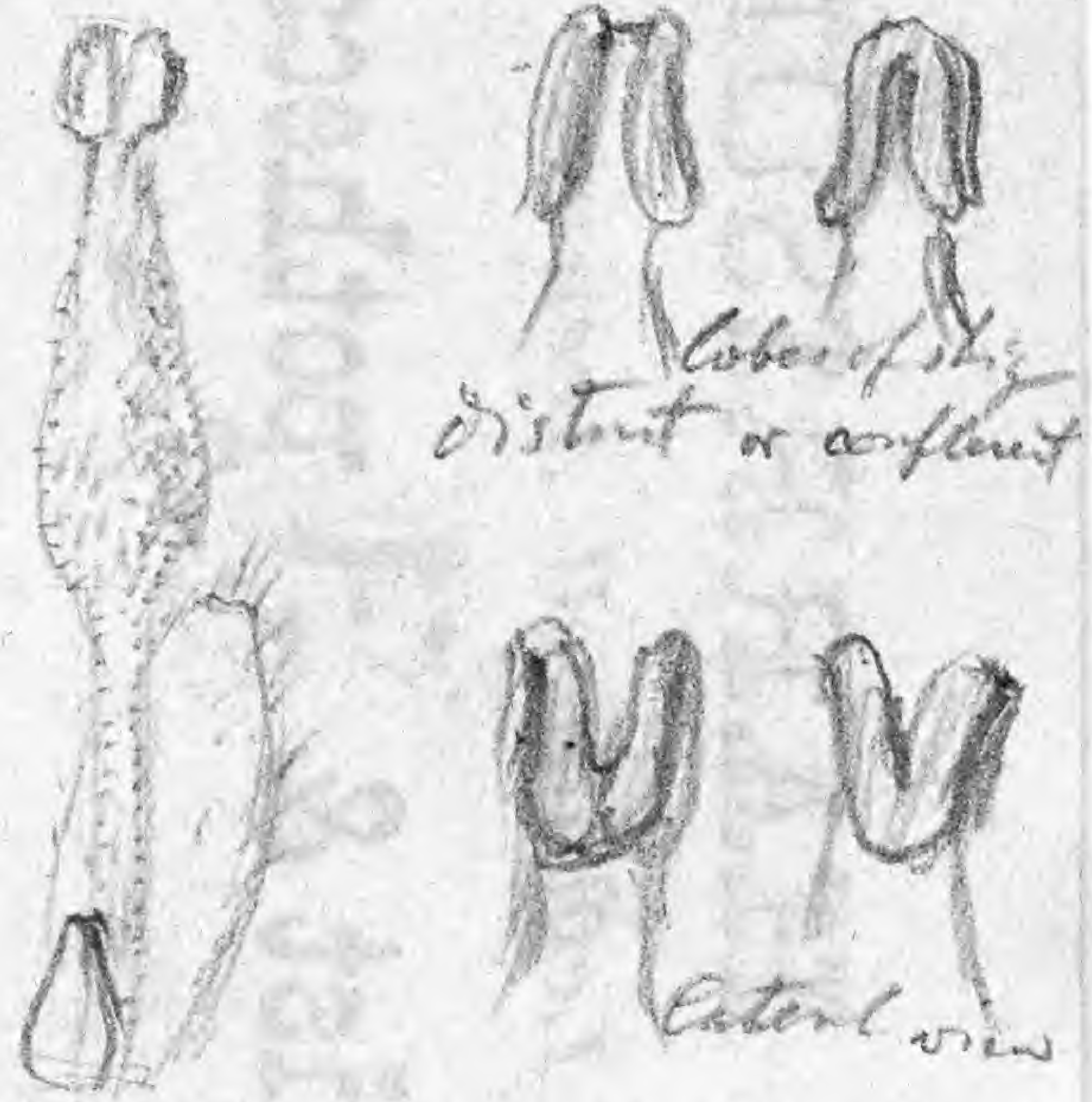
S. cordata Muhl.

No 4
= 23



S. humilis Marsh

No 6



bract shorter than pedicel
obtuse, long bearded
gland long flat pointed,
ovary twice as long as pedicel canescent
style – stigmas bifid petiolaris

bract longer than pedicel
obtuse long bearded
gland filiform, capitate
ovary not twice as long
as pedicell
naked – style –
very short erect bifid
stigm.

bract, pedicel and ovary
of about same length
bract obtuse short bearded
gland long flat obtuse pointed
stigmas 2 undivided
erect

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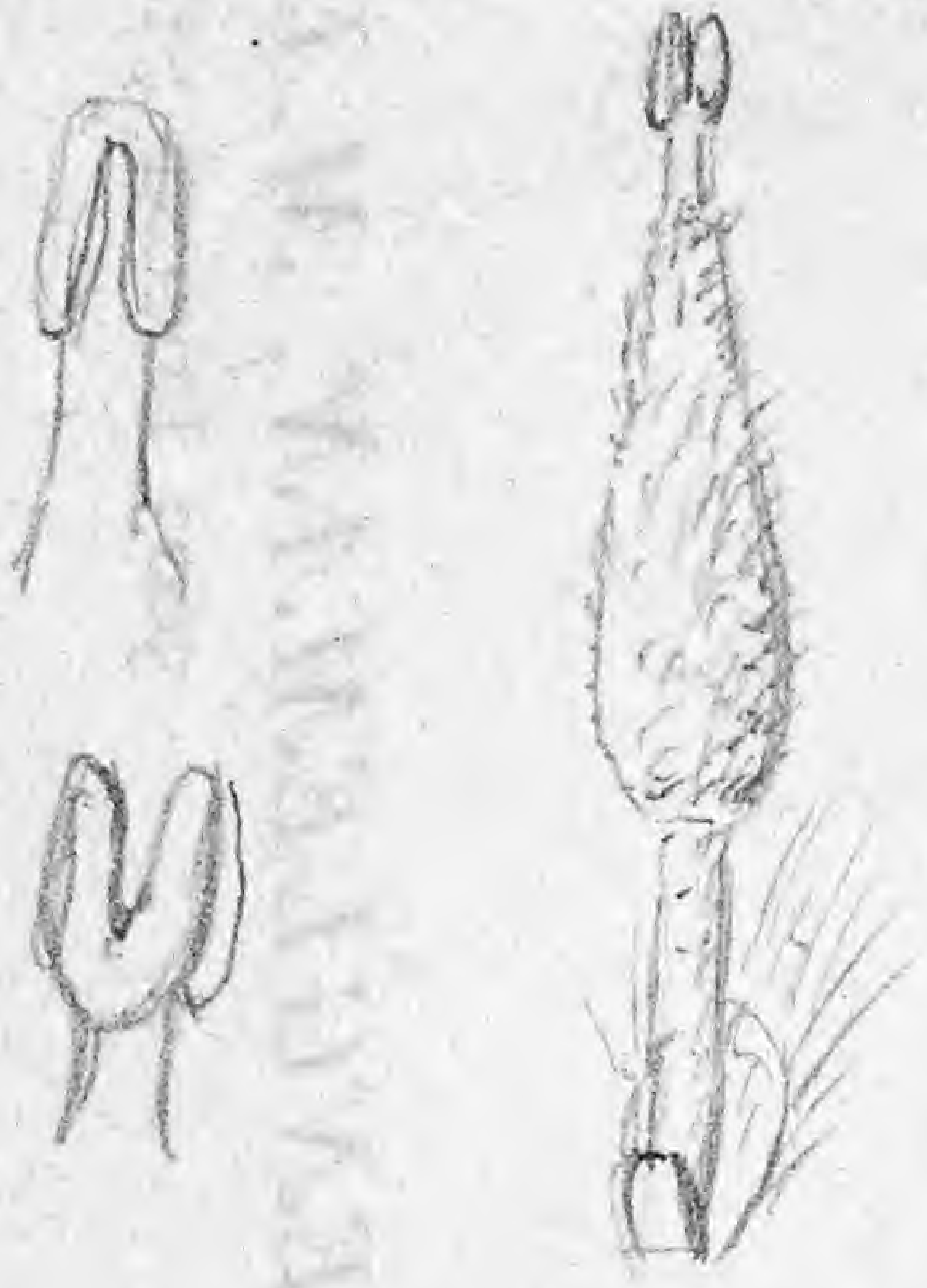
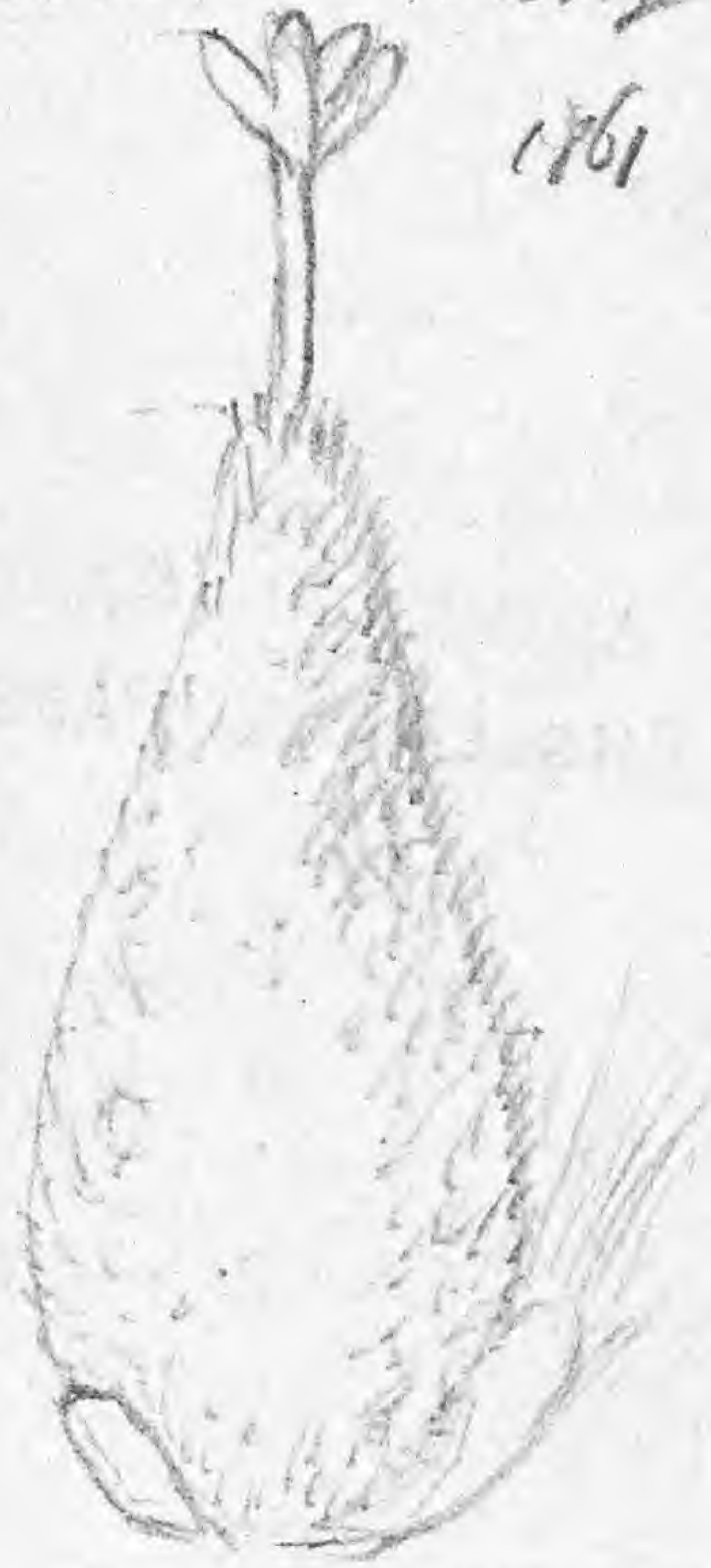
Sept 5 1875

7. S. tristis
mass. Oakes



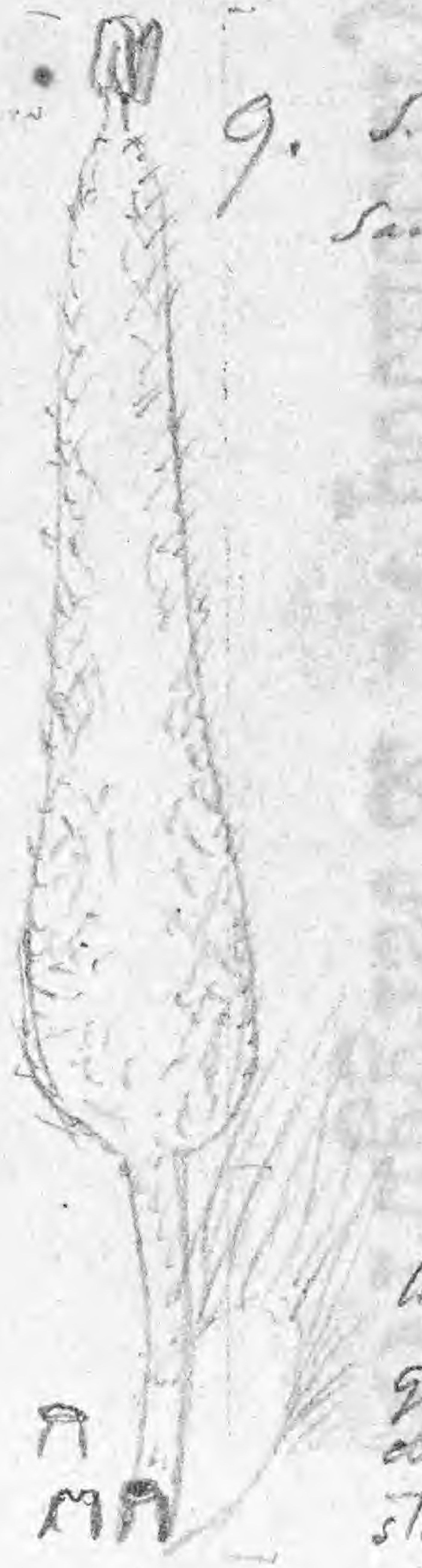
bract obtuse, half as long
as pedicel, bearded long
gland 1/4 length of pedicel, obtuse
stigmas erect

8. S. glauca
Colorado Parry 341
1861



bract short, obtuse, bearded,
gland half as large,
obtuse
ovary sessile,
style long, naked
stigmas 2-lobed
retuse

9. S. rostrata
Santa Fe Fendler 815



stigmas united
like humilis
or divided
in same inflor.

bract obtuse, bearded
half as long as pedicel
gland very small
obtuse or notched
style short, stigmas
entire or divided, erect

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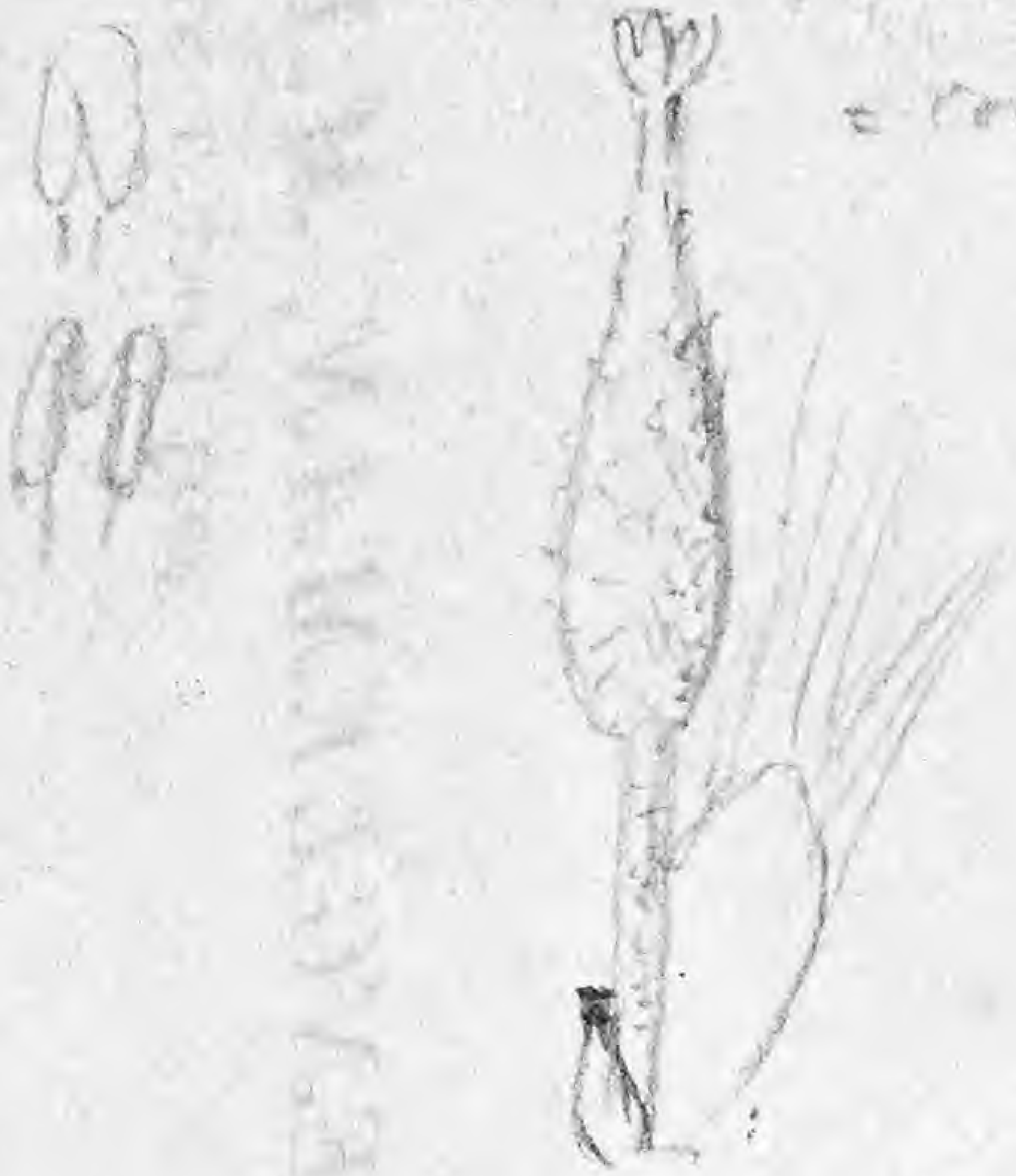
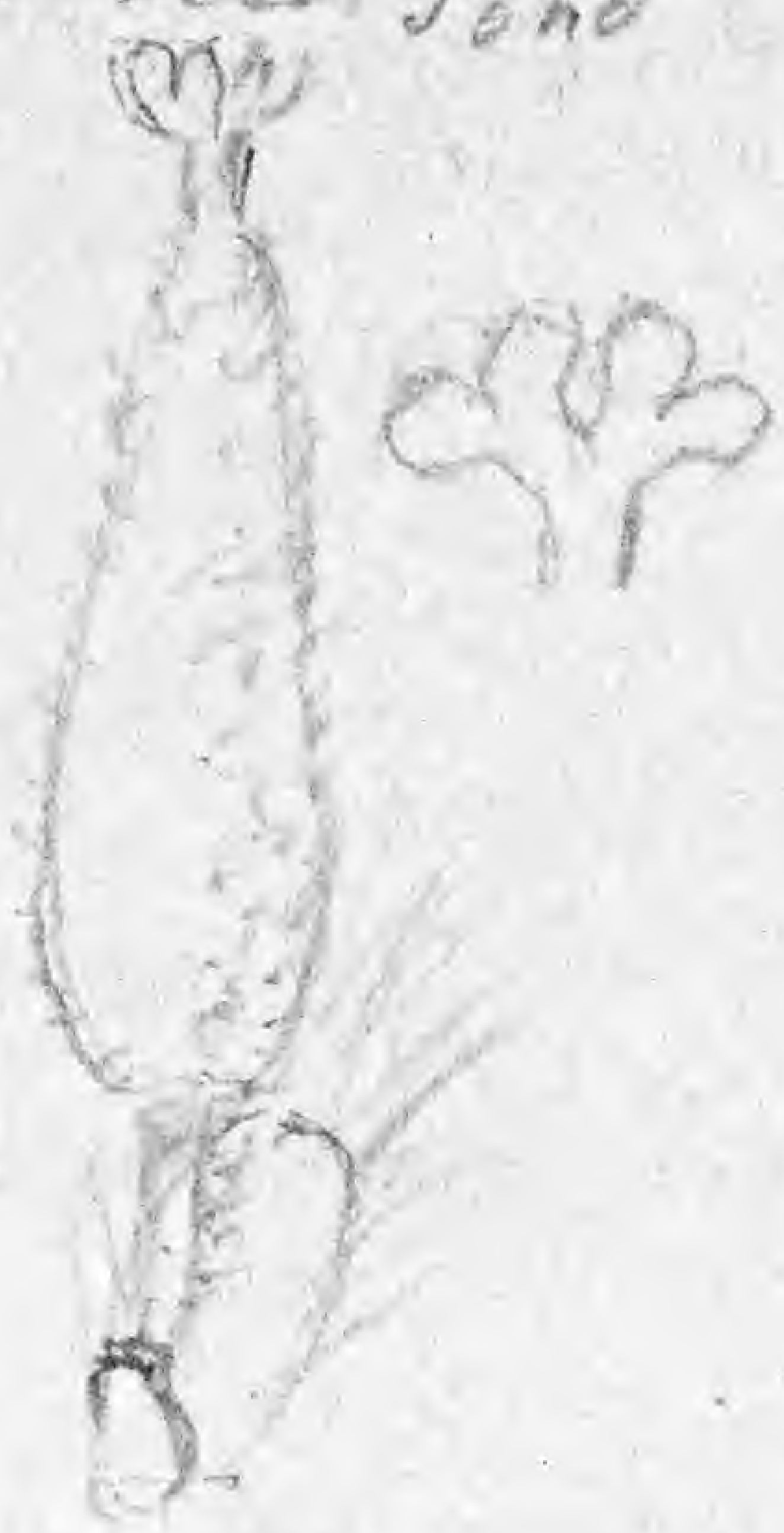
Sept 5 1875

10. "S. sericea"
Ohio Frank
= cordata!



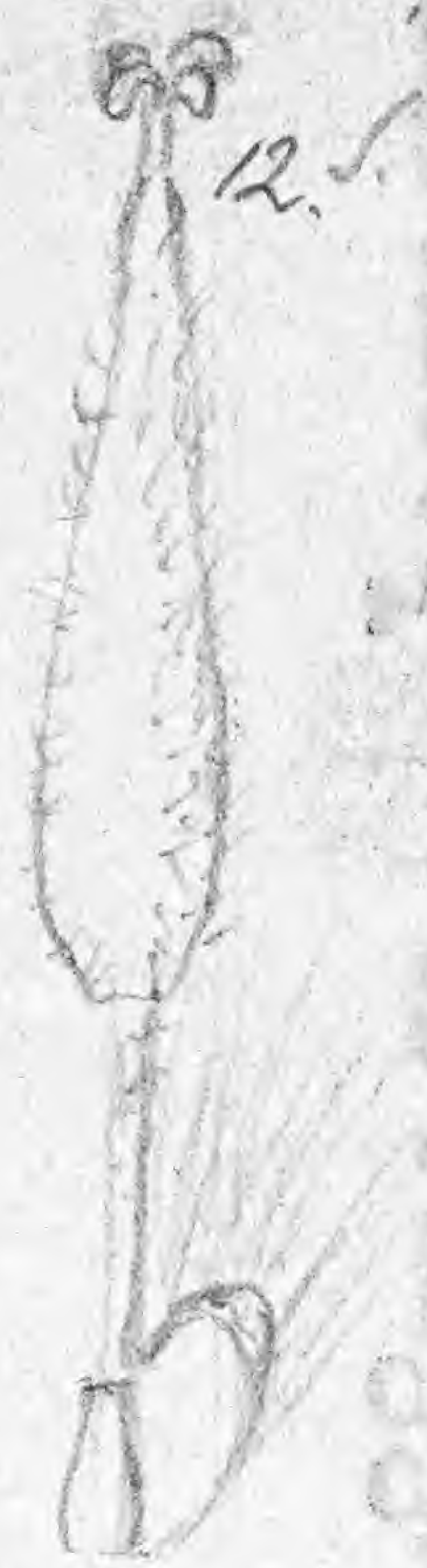
scale bearded
as long as pedicel
pedicel more than half as
long as ovary
gland tapering to a
blunt point, 1/3 or more the length
of pedicel
stigmas entire
or divided

11.
Chouteau Pond



scale as long as
pedicel
gland 1/3 or 1/4 as long
pedicel more than
1/3 length of pistil
stigmas small emarg,
bilobed

12. S. " Muhlenbergii "
St Louis, Geyer
probably ~~rostrata~~
tristis



black scale half as long
as pedicel
pedicel slender over half
the length of ovary
gland tapering, about 1/3 of pedic

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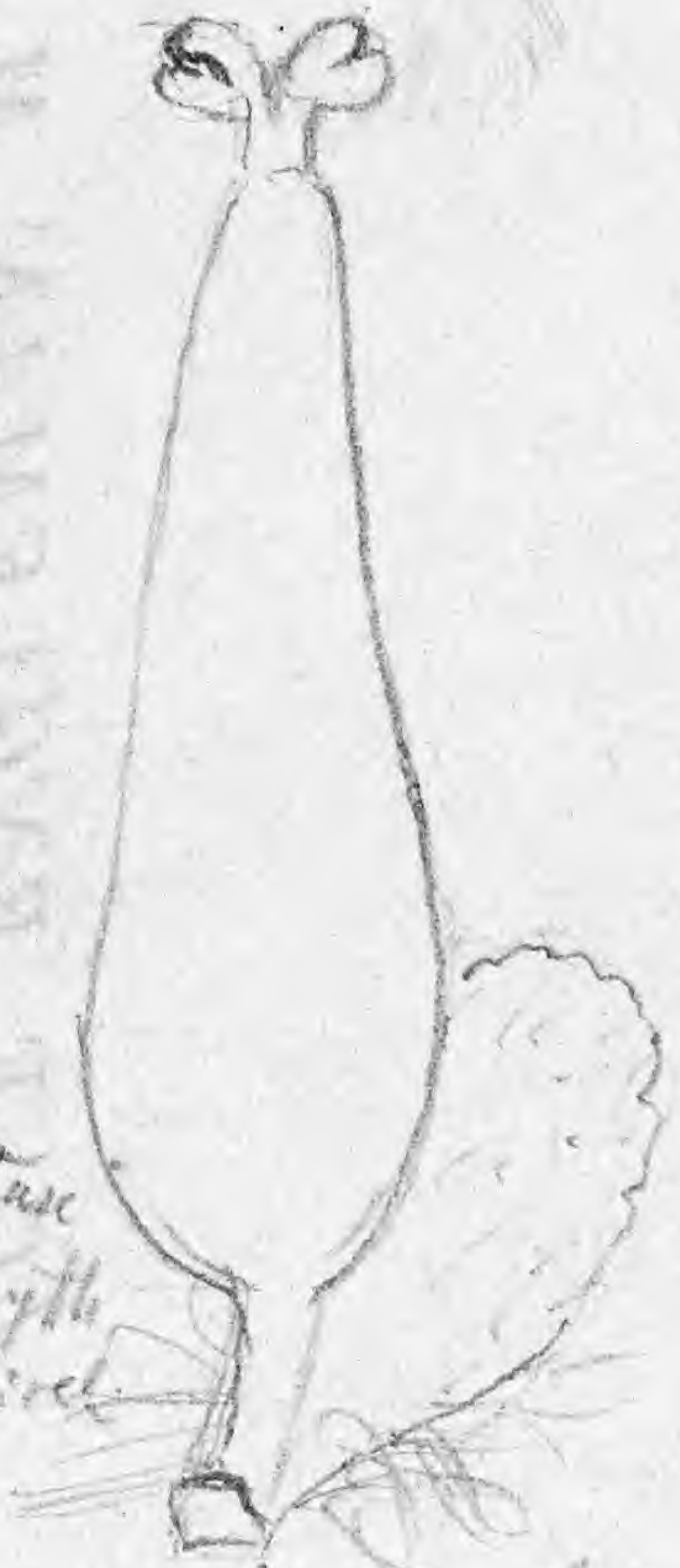
Sept 5 1875

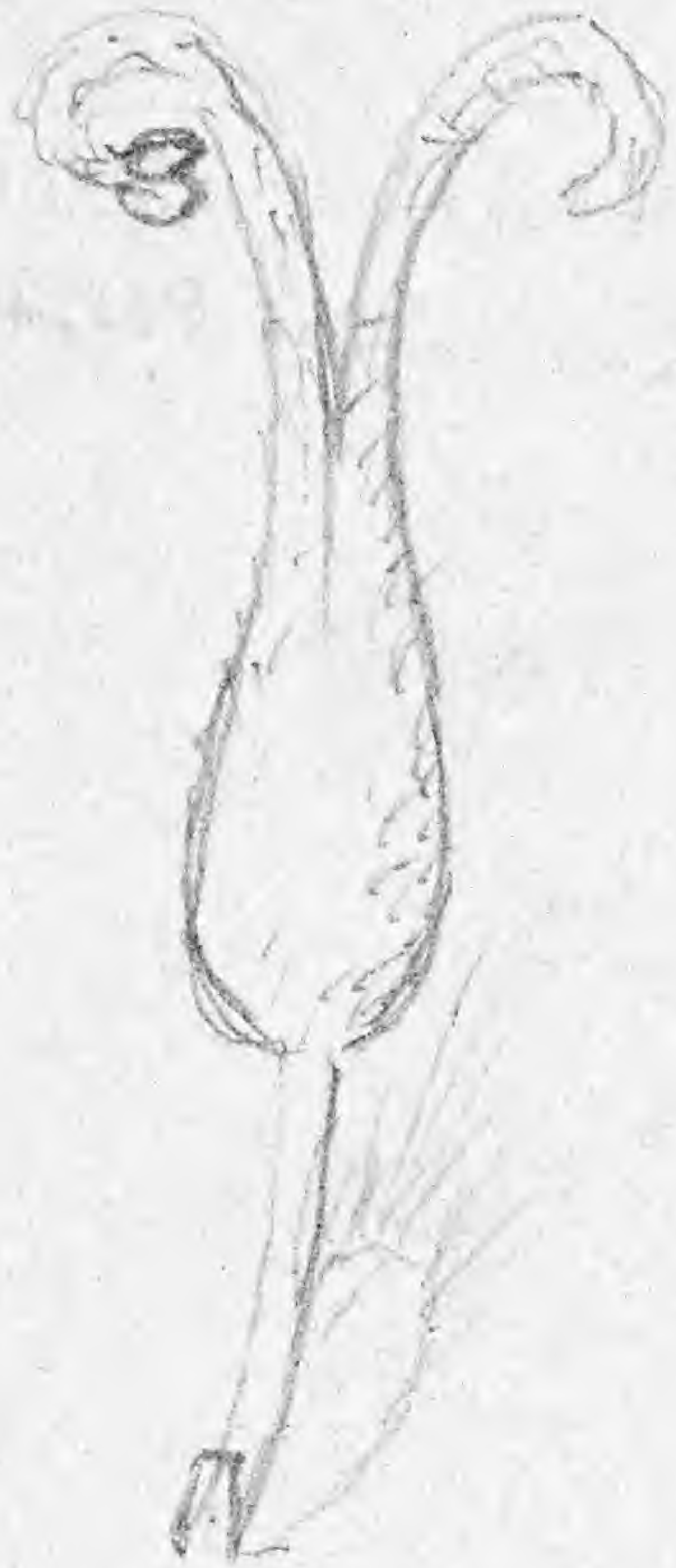
S. Bonplandiana KTh
13. Fendler No 816



gland retuse
1/3 the length
of pedicel

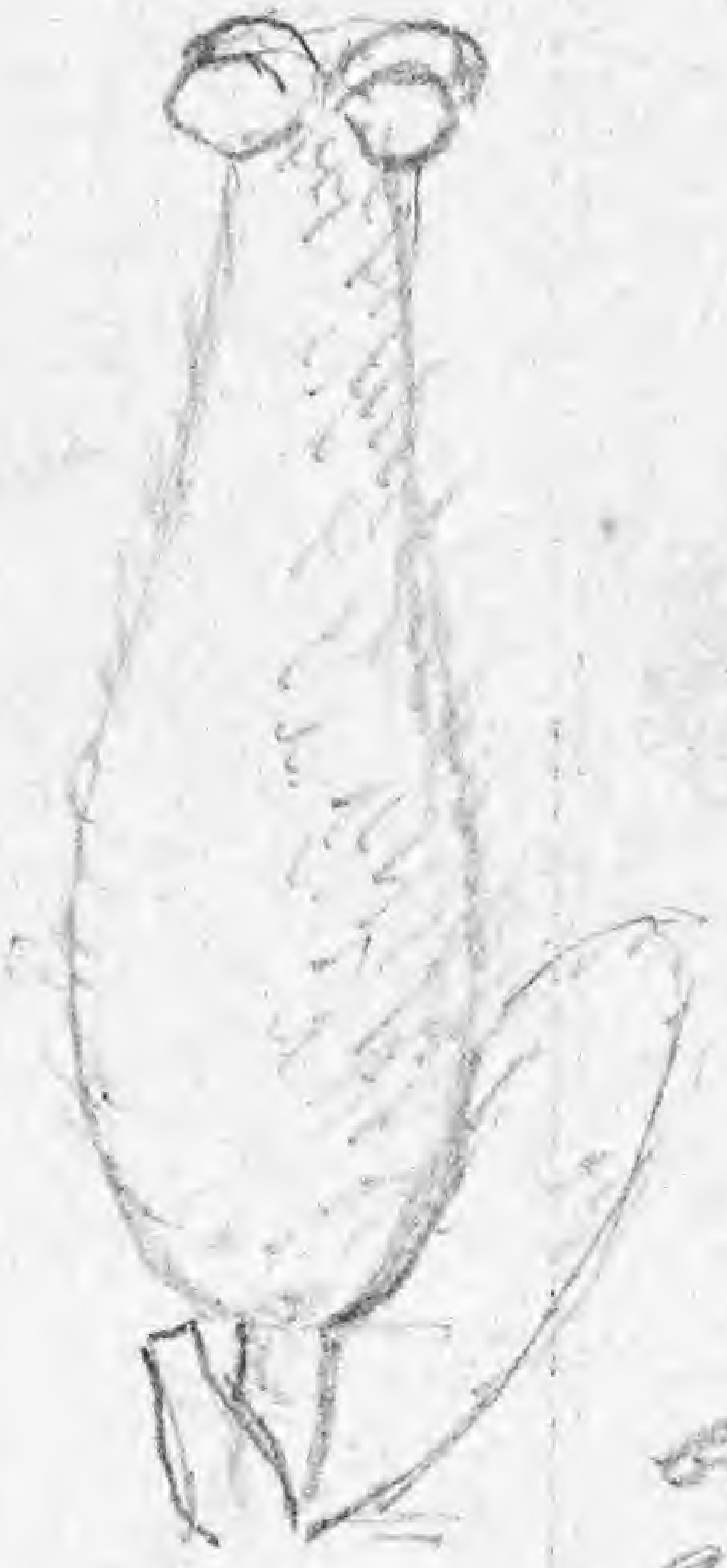
bract 2-3 times as long
as pedicel, crenate obtuse
slightly hairy – ovary naked
stigmas 2-headed, style short.

14 S. humilis Minnesota
Dr Sykes 1849



= Iowa plant
but bract
half as long
as pedicel

15. S. longifolia
St Louis 1839



bract obtuse almost
glabrous more than
twice as long as pedicel
very deciduous
gland as long as pedicel
tapering
ovary woolly – stigmas
2 headed, style none

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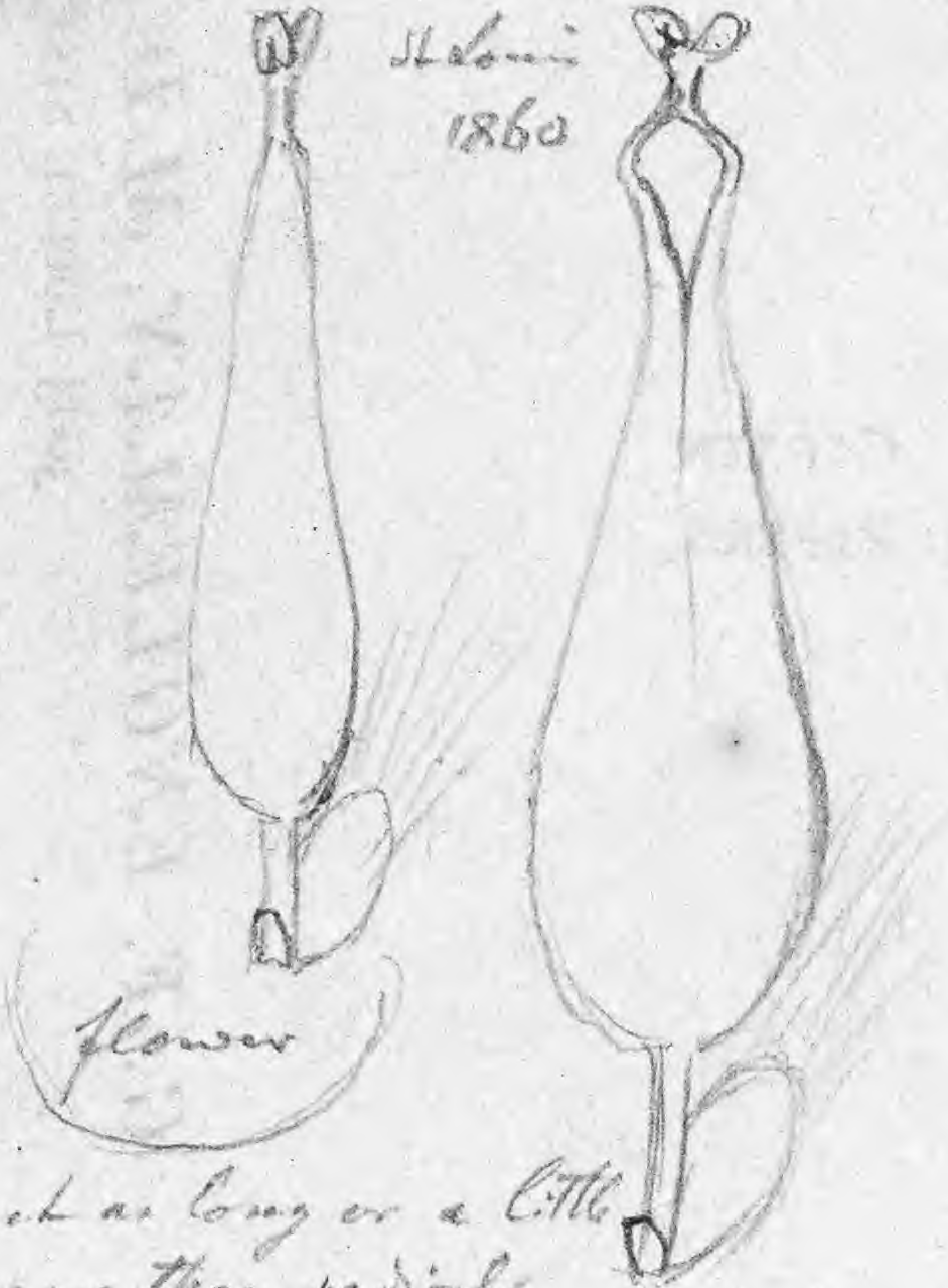
Sept 5 1875

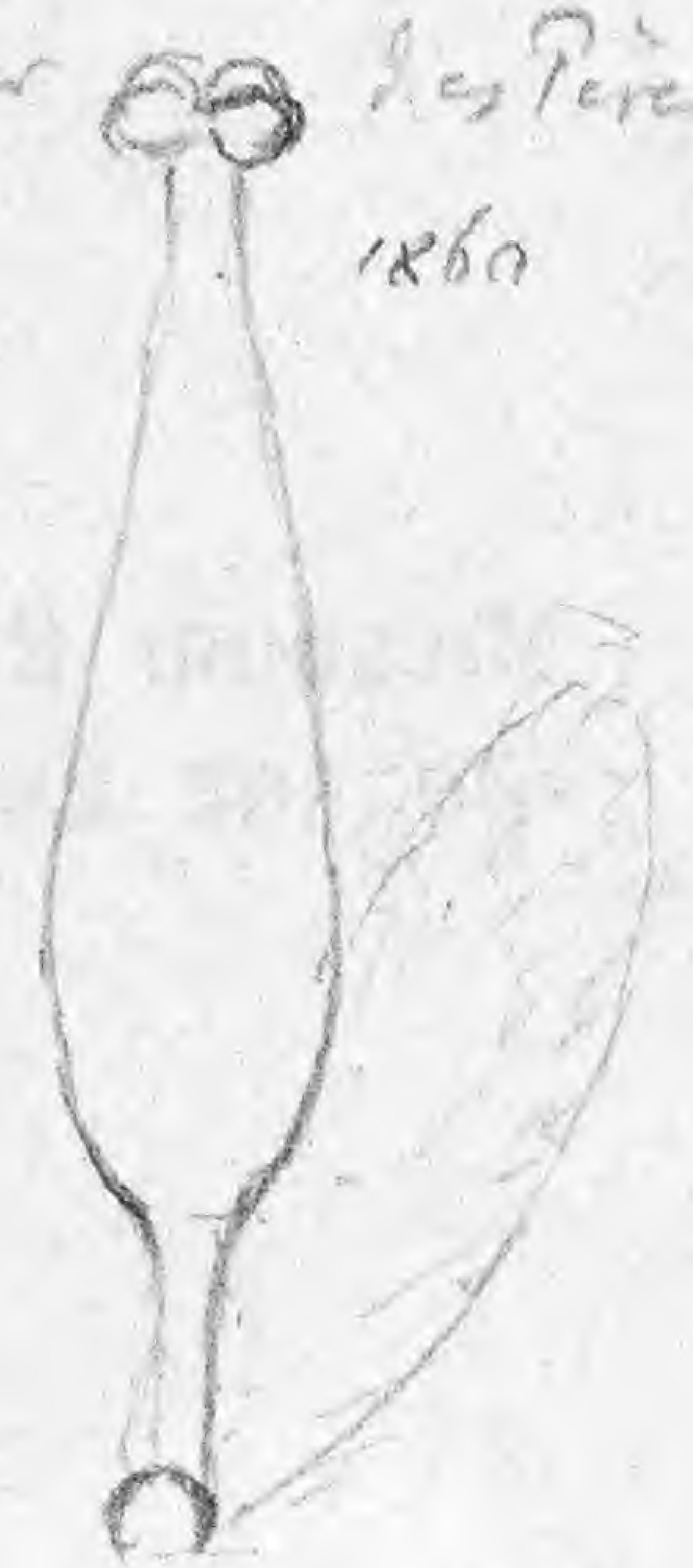
S. n.

16 River des Peres
St Louis
1860



bract as long or a little
longer than pedicel,
obtuse, bearded,
gland 1/3 - 1/4 of pedicel
ovary naked
stigmas entire, small

17 Salix lucida ?
River des Père
1860



bract large obtuse
short hairy, deciduous
gland rounded, 1/3
the length of pedicel
ovary naked
stigmas horizontal,
entire, or almost
two lobed.

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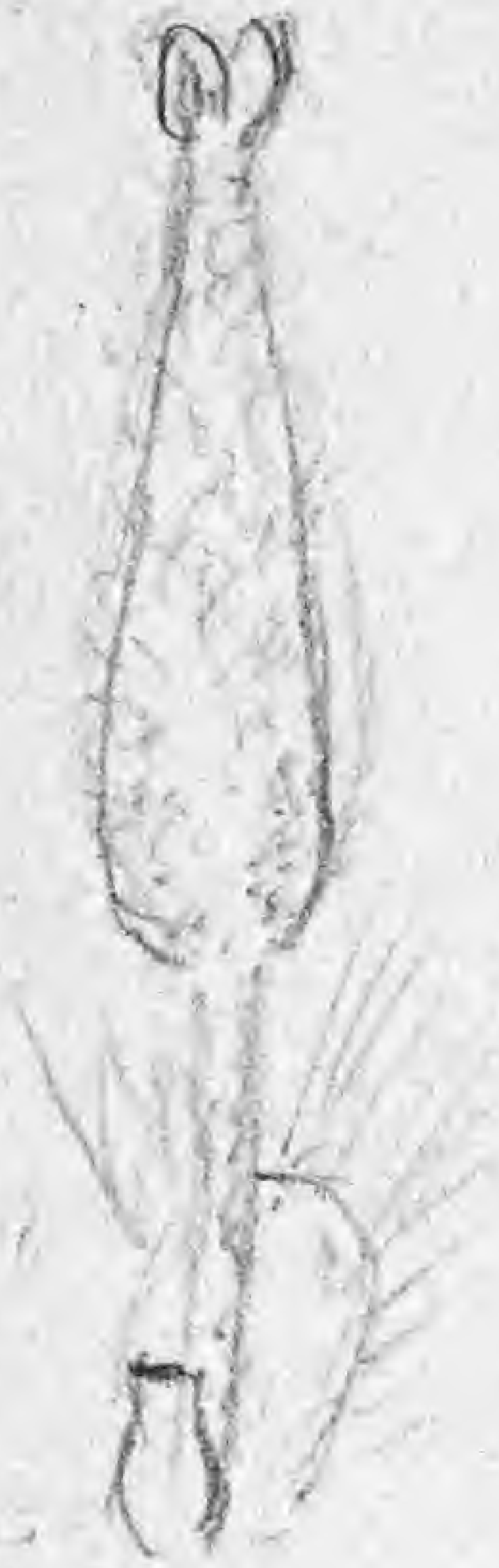
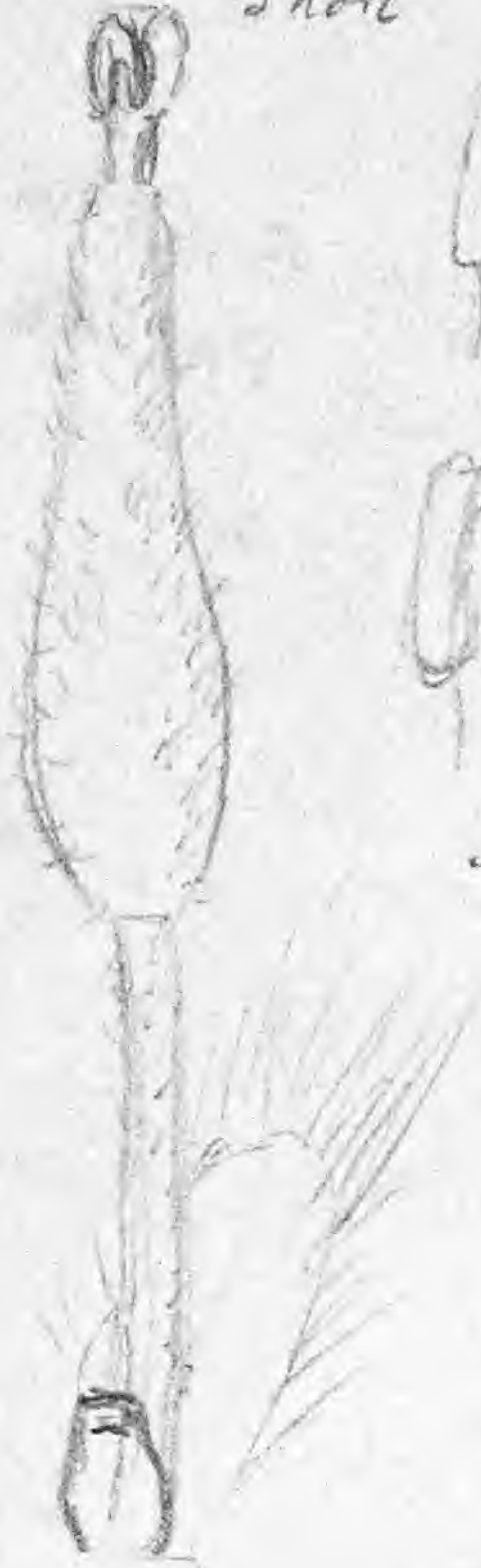
Sept 5. 1875

18 S. tristis
Kentucky Short

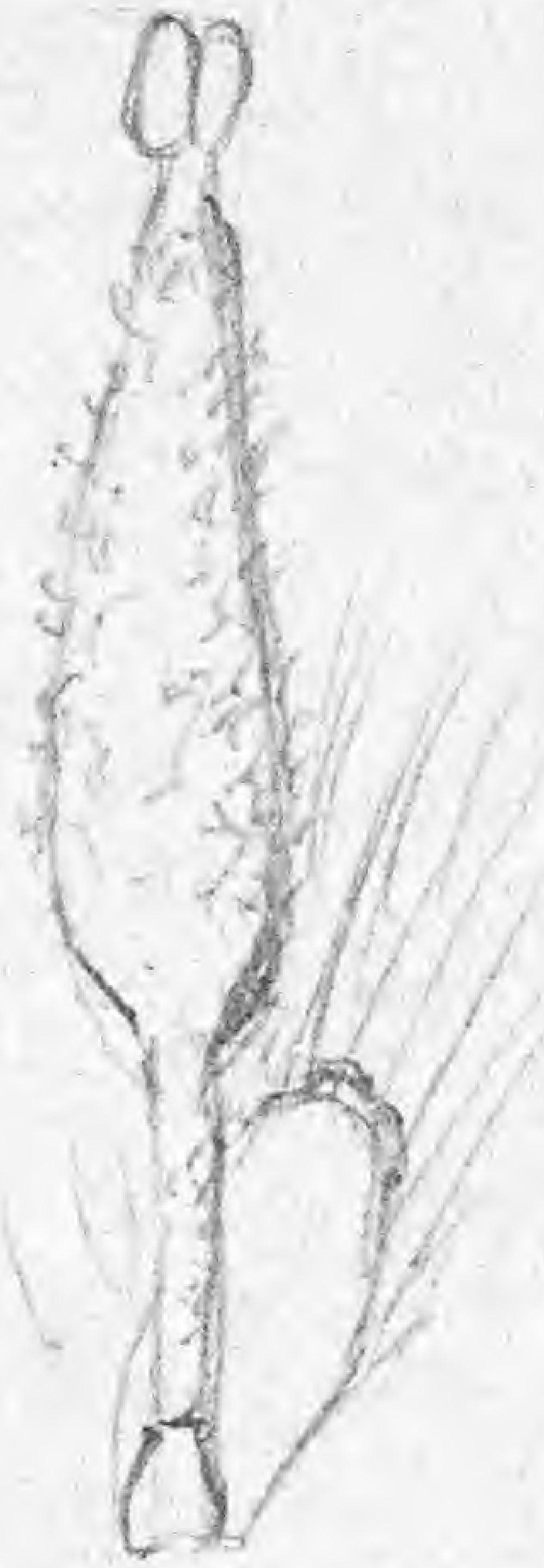


19 S. rostrata
Illinois Bebb
Short



stigm.
in same
amount

20 S. humilis
St Louis 1833, march



bract as long as
pedicel
p. half as long as
ovary —
gland about 1/4 of
pedicel

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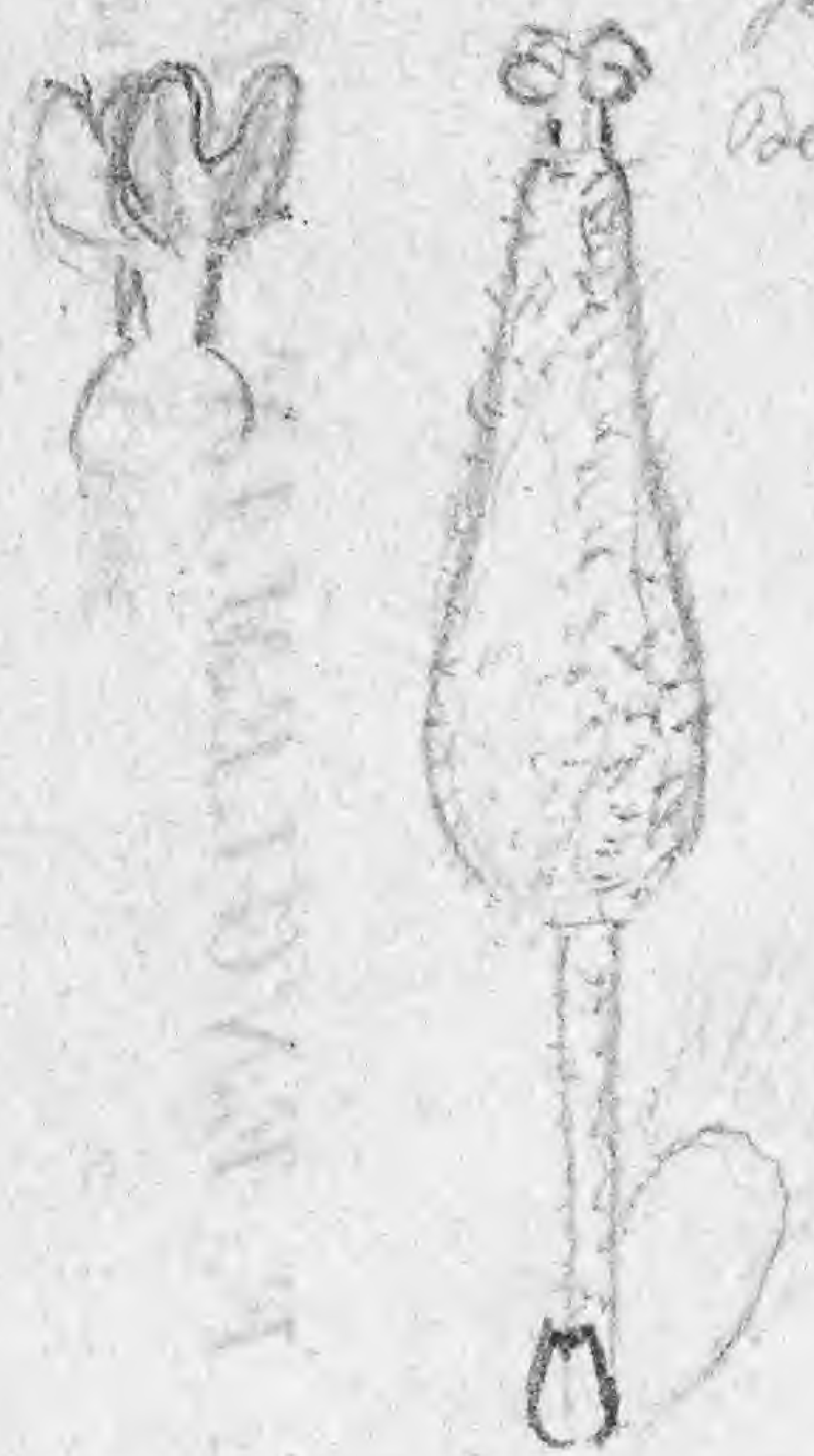
21 "S. grisea"

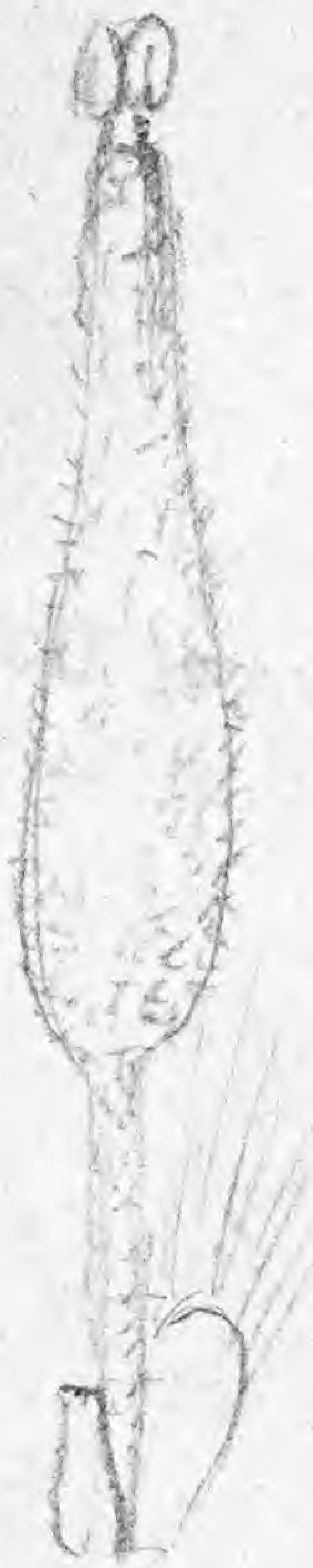
22 S. tristis

Sept 5 1875


Geyer
Beardstown

black short scale half as long as pedicel – beard rather short (beard reaching to base of ovary pedicel 2/3 length of ovary

short, Kenley)



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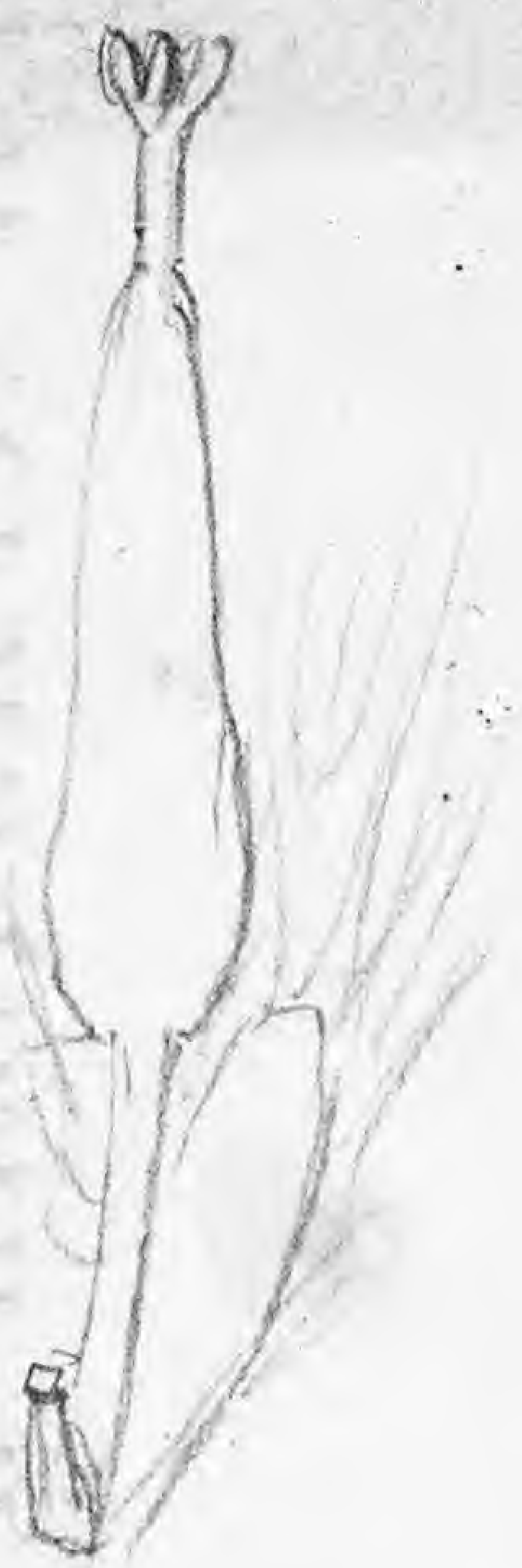
Sept 6 1875

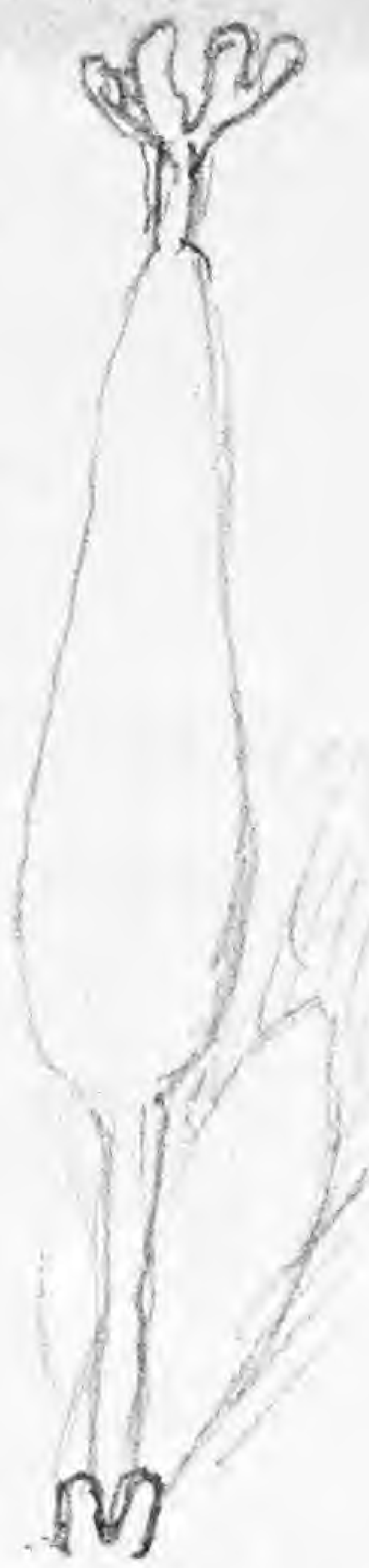
N° 23 Salix cordata
Chouteau Pond, Geyer

= 4



ovary & pedicel glabrous,
bract as long or longer
than pedicel, long bearded;
gland slender, subulate,
style long, stigma small
2 parted

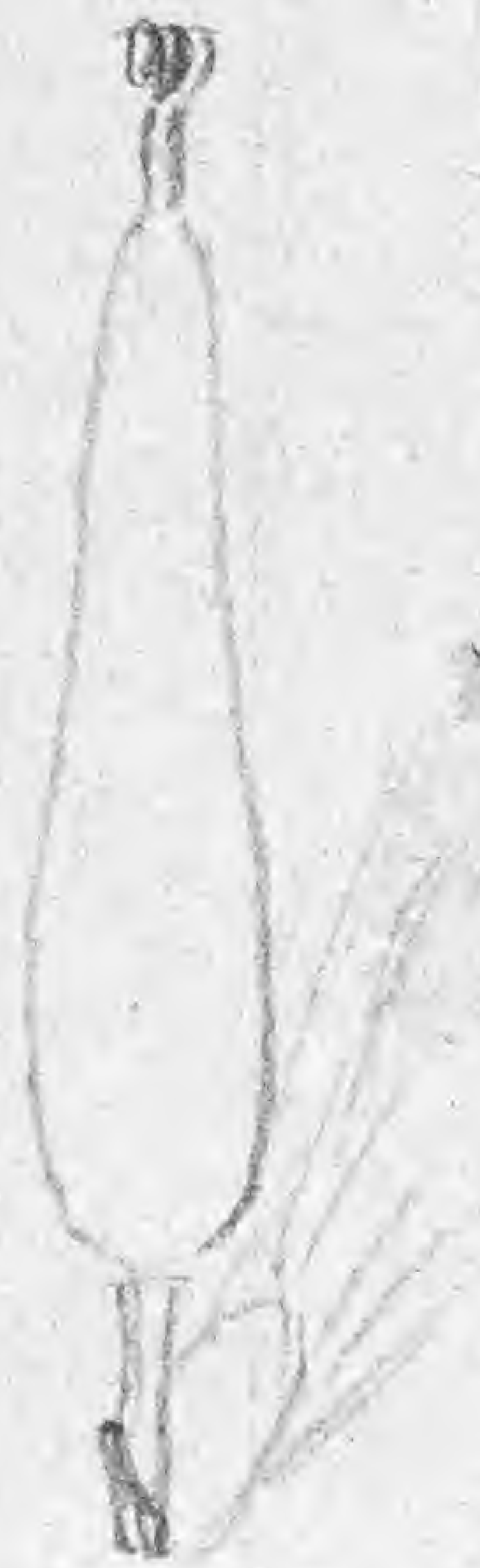
24. Salix
Dr Gregg N°   near Mexico



very near 23
but with 2 lobed
gland and
deeply lobed
stiped stigmas

25.
River des Peres
1866

= 23 & 4



= 23 but pedicel and
scale much shorter

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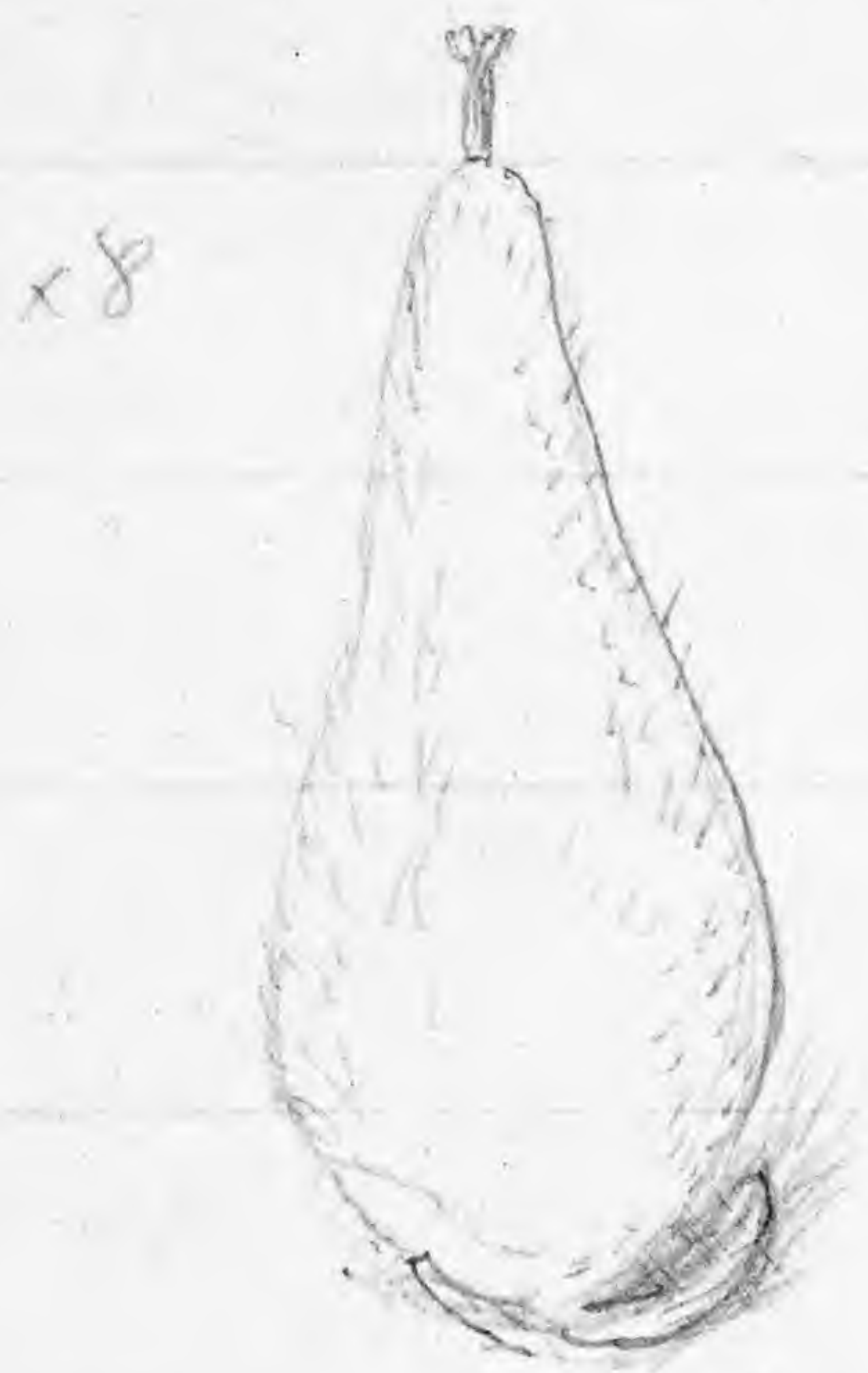
named by S B Bebb 1882

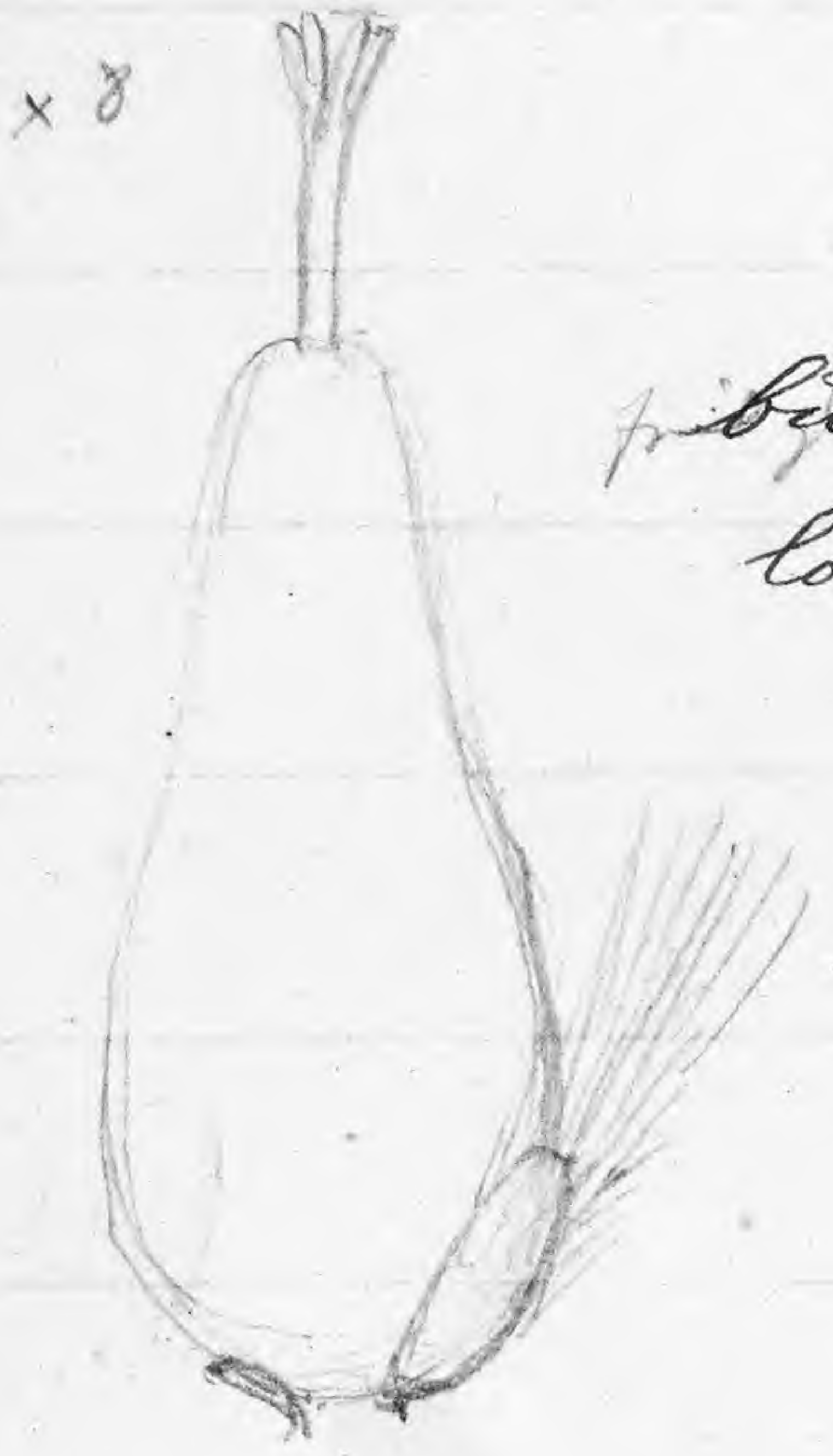


Salix No 3 Desertorum Richards low bush, 12-22 feet high on Bard-Creek, opposite Empire City, Col; overhanging the banks, Aug 11th 1881

Stigma 2 parted - capsule short pubescent.

Aug 11th 1881

Salix No 1 Novae Angliae Anders 8-12 feet high, caespitose, nearly 2 inches diameter; in marshy places in Bard Creek valley, opposite Empire City buds long and pointed; fruit open, still adhering; glabrous; style long, with 4 stigmas; bract short, oval obtuse, long silky at tip.



Salix No 2 irrorata Anders. in same locality; no fruit seen; branches white mealy; bloom easily rubbed off; not present in young vigorous shoots; foliage dark green bushes 6 - 8 feet high.

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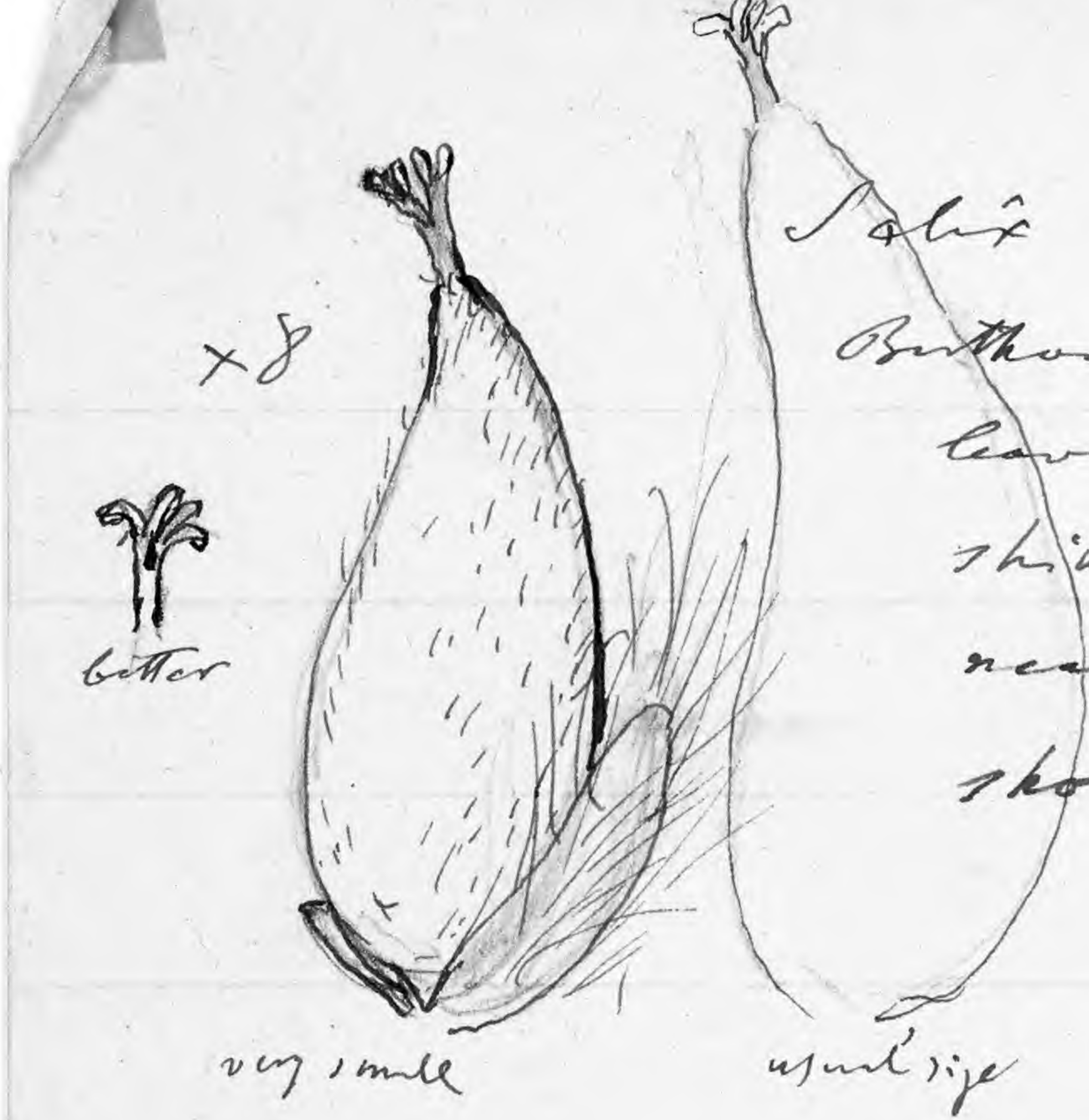
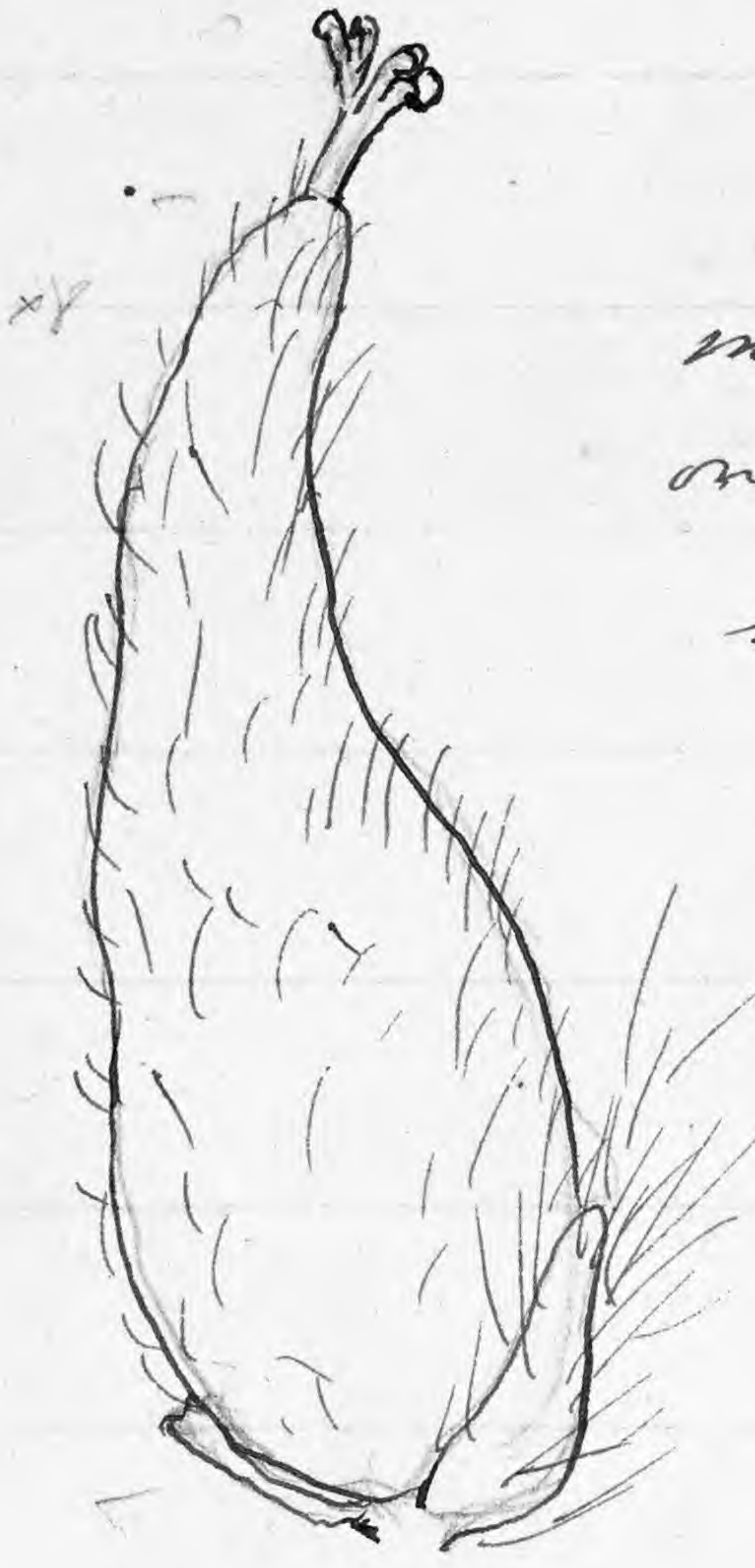


Salix No 9 Chlorophylla Andr.

Berthoud Pass July 25 1881 capsules almost all open. leaves broad, often cordate; no stipules seen; branches deep brown shining; leaves deep green, shining; pale underneath — perfectly glabrous, but when young somewhat silky bract long hairy, capsule* short pubescent; seeds shed

Salix No 8 Desertorum Rich July 25 etc 1881

Berthoud Pass and higher, far above timber line, much more common than last, 4-5 feet high in Pass, 1/2 - 1 1/2 high on alpine slopes, very fertile, later than last, caps. not yet open stipules minute, glandular dentate; leaves grey silky pubescent; on greatest elevation more glabrous above



Salix

5803

Salix

Muhlenbergiana

Ch Geyer
[illegible]

Barrens St Louis
May 7

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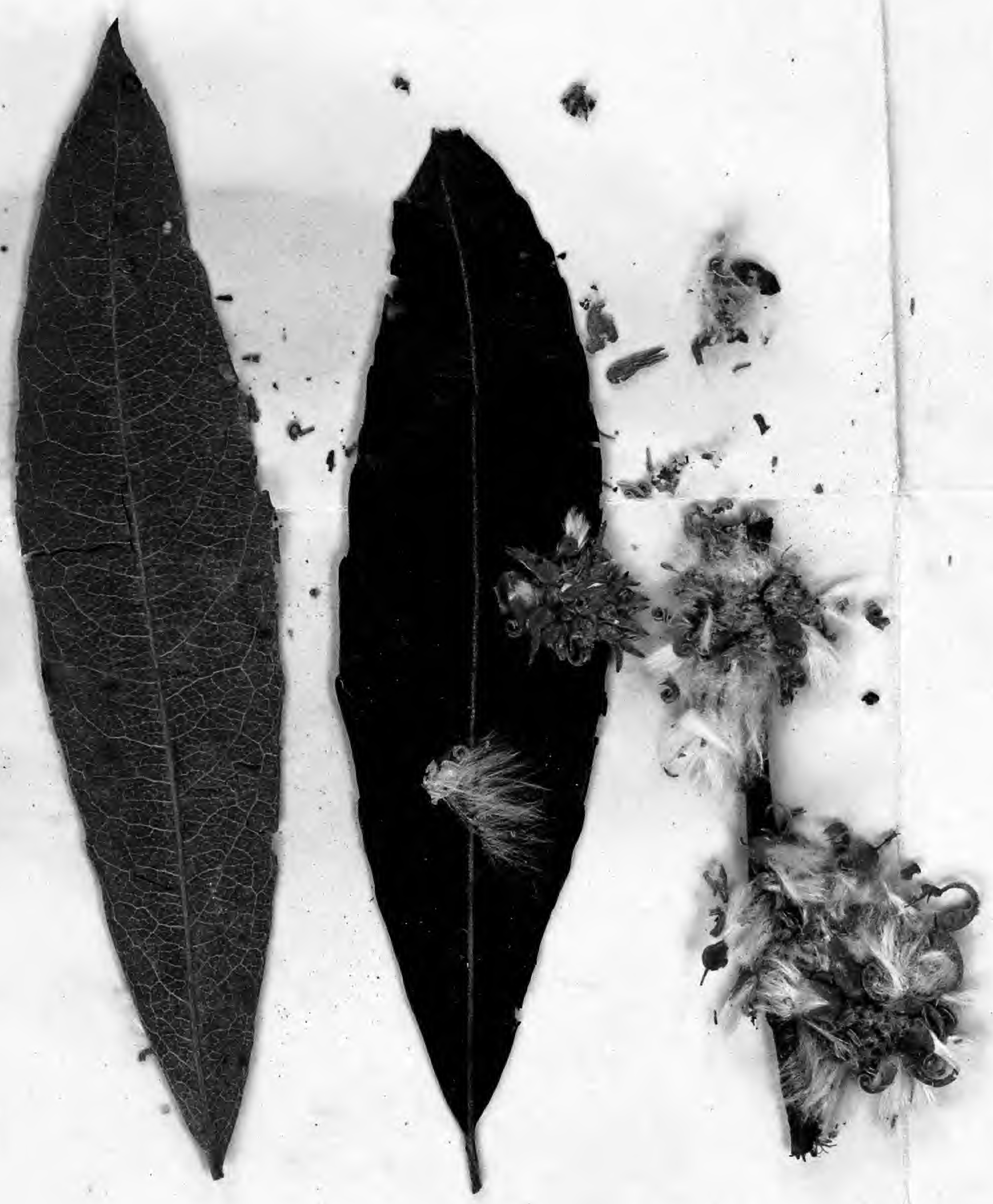
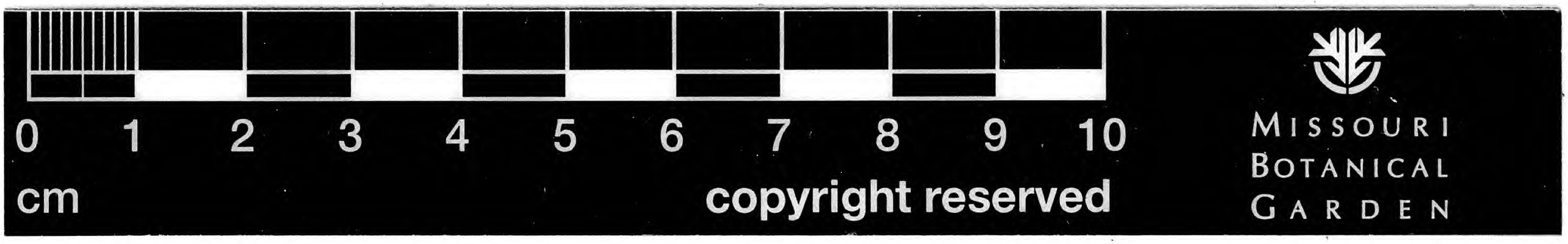
1 Tenerum
macrophyll
trapeziform
Farleyense
pubescens
Cap-veneris
hirtus





Andersson does not say what Fendler 816 ♀ is — Is it not S. Bonplandiana?
The naked scales, woolly only at base are peculiar

Dr Gregg coll. at Saltillo S. nigra repeatedly (not in Andersson

S. humilis black bract as long as short pedicel. Chautauqua — [illegible] 1833 — Iowa grisea Fendl.?

S. tristis bract black half as long as long pedicel. Mobile; Illinois Geyer; Kentucky Short 18. 22? oaks 10 14 humilis Geyer grisea Geyer 21?

S. rostrata pale bract longer than half of long pedicel. Bebb Ill. Fendler Arthur Iowa

humilis fig. 6. 11. 10? 20
tristis 7 12 14 18 21. 22
rostrata 9 (12?) 19

6. 14. 12 20
18 22 7

fig. 7. 8. 9 [illegible]

to look for the following in Colorado
18 lucida
19 arguta
28 longifolia var.
42 discolor
43 Geyeriana
44 vagans (rostrata
50 petiolaris (& sericea)
51 humilis
56 Drummondiana
71 nova Angliae
72 pyrifolia
85 irrorata
107 glauca (& sericea)
108 desertorum
112 subcordata
114 arctica
138 vestita
140 reticulata

0830
0032
29
31
415/1200
830
2700
1300
124
550

Rec Jan 3

5805

~~Prutlea~~
Bessmelia
~~Bostris~~
~~rostrata~~

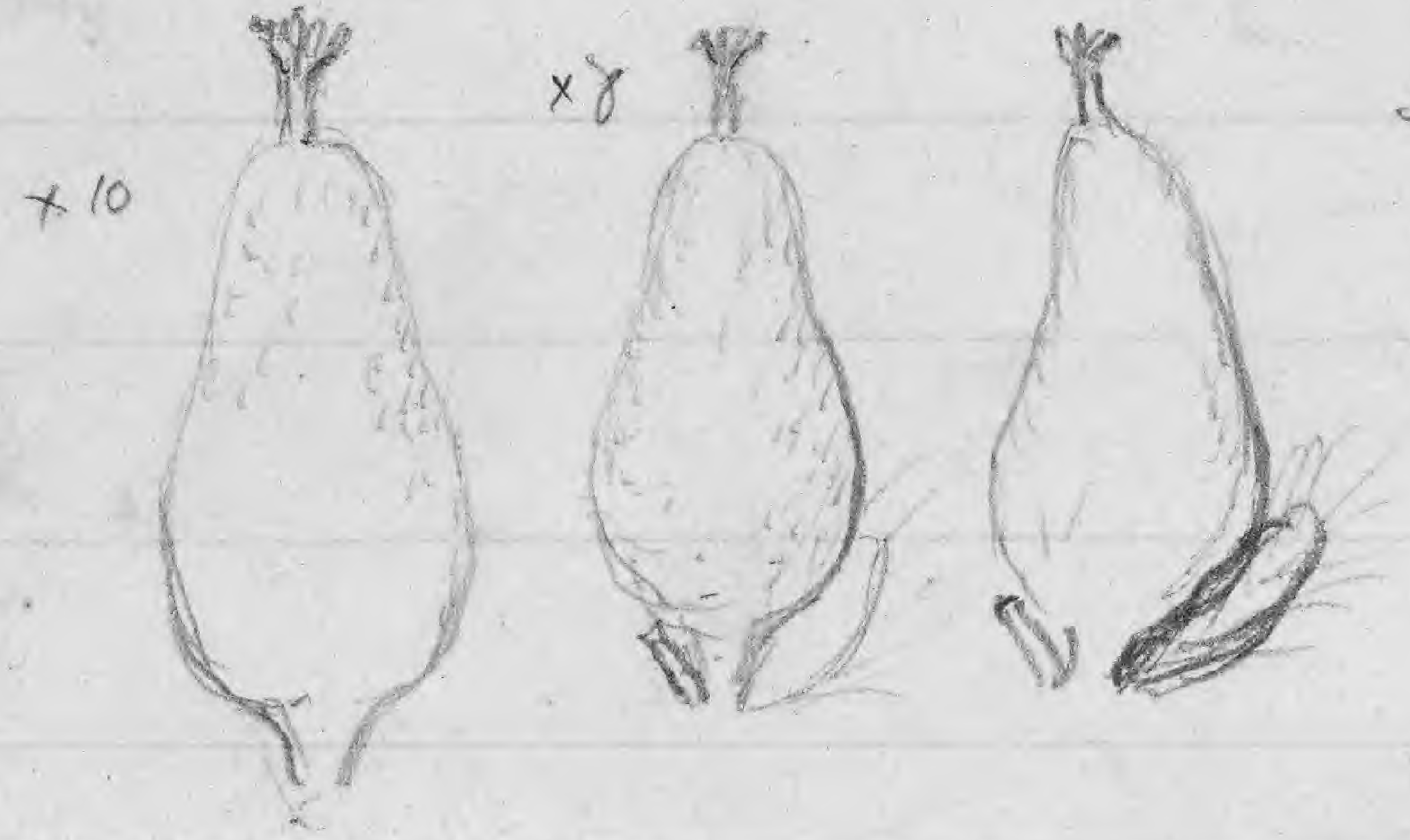
Office of CLARKE IRVINE,
Attorney, Claim and Land Agent,
OREGON, HOLT COUNTY, MISSOURI.

Oregon, Mo., Jany 1 1874

Sir -

Seeing in your report on Climatology a statement that accurate observations had not been made in Mo outside of St Louis I beg leave to inform you that William Kaucher of this place has for 18 years made careful observations of the thermometer - and for seven or eight has recorded three daily for the Smithsonian Inst. These include observations of Barometer thermometer wet & dry bulb &c &c &c and I doubt if during all that time he has made one omission.

Respy yours
Clarke Irvine



Salix No 6 Middle Park Color
Low bush in ~~wet~~ meadows near Hot Sulphur Spr
Aug 2 1881

Salix desertorum Richardson
(typical form.

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55 phylicifolia L 241
54 nigricans Sm 240
61 arbuscula L ~~313~~ 247
53 repens L 237
23 fragilis L 209
23 × viridis Fr 210
21 pentandra L 206
17. triandra L 202
17 × undulata Ehrh 204
24 alba L 211
83 daphnoides Vill pulchra Wimm 261
88 × Smithiana Willd 267
88 viminalis L 264
81 hastata L 257
38 Caprea L 222
44 vagans Anders 226
37 cinerea L 221
144 purpurea L 306
36 aurita L 220
136 polaris Wahl 299
133 herbacea L 298
140 reticulata L 301
alpestris Anders ?
117 myrsinites L 289
47 × hirtula And. 231
47 × versifolia Wbg 232
46 myrtilloides L 229
112 × Amandae And. 283
101 × Hartmanniana And. 275
98 lanata L 273
112 × Wichurae And 284
107 glauca L 280
106 Laestadiana Hartm. 278
103 Lapponum L 276
Friesiana And ?

Rec from Prof Anders[son]
1874

(Fendl. 813. 814
Wright 667. 668. 1827. 1874. 1875
= Salix longifolia)

F. 812 L. irrorata

Wr. 1876 nigra
1877 nigra var Wrightii
667. 668. 1827.-74-75 longifol
1873. var angustiphylla
1878 humilis var angustifolia

F. 816. 17 argentea And
815 14 vagans var rostrata }
812 ~~85~~ irrorata And.
813. 14 longifolia

722 S. Cutleri Tuck = S. Uva Ursi Tuck
White Mts

Wright 1879 S. nigra
var venulosa
p 201

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5807

nigra Wright

spec Mex
13 Humboldtiana J.
14 Bonplandiana
31 Taxifolia
51 humilis var.?
(41 Brachystachys / Hartwegii Benth
Calif)

0 1 2 3 4 5 6 7 8 9 10
cm
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